

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051113.D
 Acq On : 11 Sep 2018 9:27
 Operator : MD\SY
 Sample : VN0911WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:06:41 AM

Quant Time: Sep 12 01:24:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	665978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	839892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	404338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	372047	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.59	113	360702	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.09	98	1374907	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	443358	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119285	18.57	ug/l	99
3) Chloromethane	2.06	50	162823	19.30	ug/l	99
4) Vinyl Chloride	2.18	62	164726	18.69	ug/l	98
5) Bromomethane	2.56	94	96677	18.82	ug/l	98
6) Chloroethane	2.70	64	99301	18.25	ug/l	99
7) Trichlorofluoromethane	3.01	101	222856	19.08	ug/l	98
8) Diethyl Ether	3.41	74	81970	19.08	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144026	19.13	ug/l	99
10) Methyl Iodide	3.95	142	110665	19.58	ug/l	100
11) Tert butyl alcohol	4.79	59	50472	89.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132414	18.64	ug/l	98
13) Acrolein	3.61	56	61997	105.29	ug/l	100
14) Allyl chloride	4.32	41	202027	18.67	ug/l	99
15) Acrylonitrile	4.99	53	232176	92.56	ug/l	99
16) Acetone	3.82	43	178445	93.73	ug/l	99
17) Carbon Disulfide	4.05	76	382526	18.34	ug/l	99
18) Methyl Acetate	4.33	43	108803	18.33	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	357069	19.01	ug/l	98
20) Methylene Chloride	4.55	84	151069	18.45	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	139189	18.06	ug/l	98
22) Diisopropyl ether	5.95	45	426461	19.85	ug/l	98
23) Vinyl Acetate	5.90	43	1393798	95.87	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260611	19.12	ug/l	99
25) 2-Butanone	6.84	43	260742	89.48	ug/l	98
26) 2,2-Dichloropropane	6.82	77	206848	18.54	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158051	18.70	ug/l	100
28) Bromochloromethane	7.19	49	102962	16.97	ug/l	98
29) Tetrahydrofuran	7.21	42	174694	96.00	ug/l	100
30) Chloroform	7.37	83	259364	19.13	ug/l	98
31) Cyclohexane	7.65	56	233939	19.11	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	219978	19.04	ug/l	99
36) 1,1-Dichloropropene	7.79	75	198669	19.19	ug/l	100
37) Ethyl Acetate	6.93	43	120057	20.02	ug/l	99
38) Carbon Tetrachloride	7.77	117	196371	19.27	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	218619	19.13	ug/l	98
40) Benzene	8.04	78	608468	19.50	ug/l	99
41) Methacrylonitrile	7.18	41	65827	21.27	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	177160	19.48	ug/l	100
43) Isopropyl Acetate	8.17	43	206492	19.51	ug/l	100
44) Trichloroethene	8.83	130	161049	18.87	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158222	19.62	ug/l	100
46) Dibromomethane	9.21	93	91893	18.68	ug/l	99
47) Bromodichloromethane	9.40	83	192926	19.29	ug/l	99
48) Methyl methacrylate	9.20	41	99588	19.31	ug/l	100
49) 1,4-Dioxane	9.20	88	30121	372.48	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	575412	98.33	ug/l	100
52) Toluene	10.16	92	373660	19.64	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	189882	18.97	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	229178	19.52	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137190	19.85	ug/l	98
56) Ethyl methacrylate	10.43	69	160452	18.90	ug/l	99
57) 1,3-Dichloropropane	10.71	76	224816	19.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	327619	94.13	ug/l	100
59) 2-Hexanone	10.75	43	369829	93.19	ug/l	99
60) Dibromochloromethane	10.90	129	147491	18.93	ug/l	98
61) 1,2-Dibromoethane	11.01	107	131633	19.48	ug/l	100
64) Tetrachloroethene	10.63	164	147521	19.25	ug/l	99
65) Chlorobenzene	11.43	112	408717	19.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149706	19.64	ug/l	99
67) Ethyl Benzene	11.51	91	669732	19.53	ug/l	100
68) m/p-Xylenes	11.62	106	533046	40.46	ug/l	100
69) o-Xylene	11.95	106	252745	19.81	ug/l	99
70) Styrene	11.96	104	399083	20.17	ug/l	99
71) Bromoform	12.13	173	103237	19.24	ug/l #	98
73) Isopropylbenzene	12.25	105	672507	19.83	ug/l	100
74) N-amyl acetate	12.07	43	154069	18.05	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	167435	20.59	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133616m	20.44	ug/l	
77) Bromobenzene	12.53	156	171771	18.86	ug/l	99
78) n-propylbenzene	12.59	91	740076	19.86	ug/l	99
79) 2-Chlorotoluene	12.67	91	452300	19.42	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	547098	19.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39289	18.45	ug/l	98
82) 4-Chlorotoluene	12.77	91	444687	19.23	ug/l	100
83) tert-Butylbenzene	12.99	119	470796	19.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	547712	20.32	ug/l	100
85) sec-Butylbenzene	13.17	105	619323	19.95	ug/l	98
86) p-Isopropyltoluene	13.29	119	530683	20.16	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286368	18.53	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	275031	19.39	ug/l	100
89) n-Butylbenzene	13.62	91	386283	18.86	ug/l	98
90) Hexachloroethane	13.88	117	97069	19.89	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	279414	18.56	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22032	19.43	ug/l	95

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ClientSampleId :
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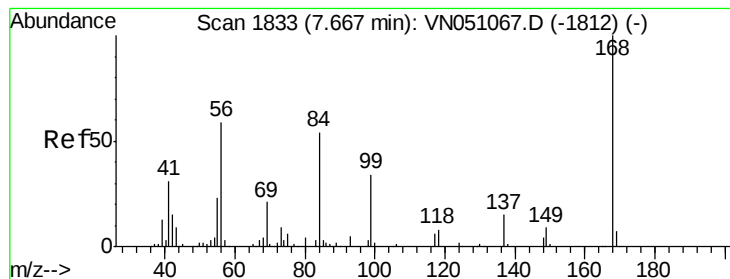
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103356	17.05	ug/l	99
94) Hexachlorobutadiene	15.01	225	90536	19.56	ug/l	98
95) Naphthalene	15.13	128	193084	16.68	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	108016	17.57	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion:168 Resp: 665978

Ion Ratio Lower Upper

168 100

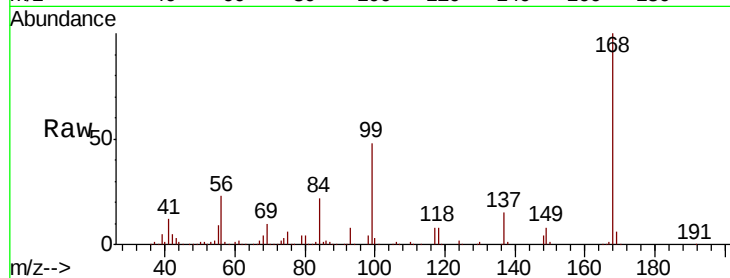
99 48.0 38.3 57.5

Manual Integrations

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9/12/2018 10:06:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

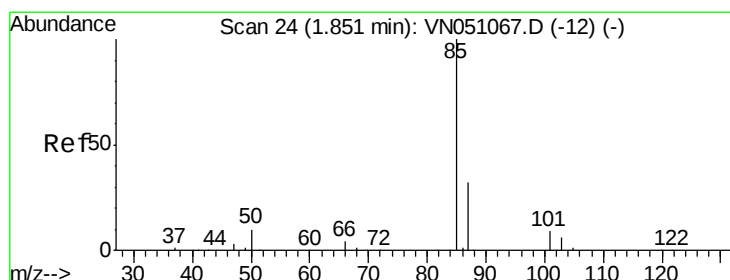
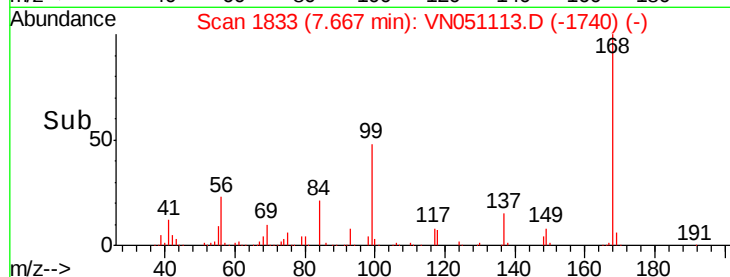
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.57 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051113.D

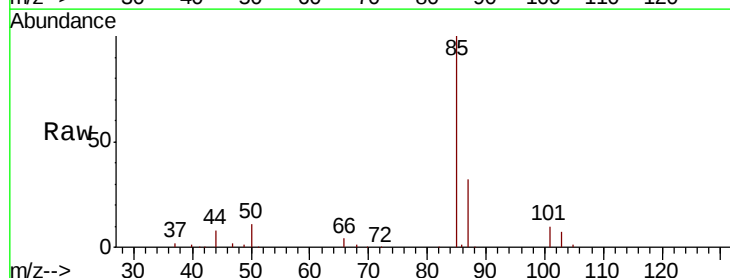
Acq: 11 Sep 2018 9:27

Tgt Ion: 85 Resp: 119285

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

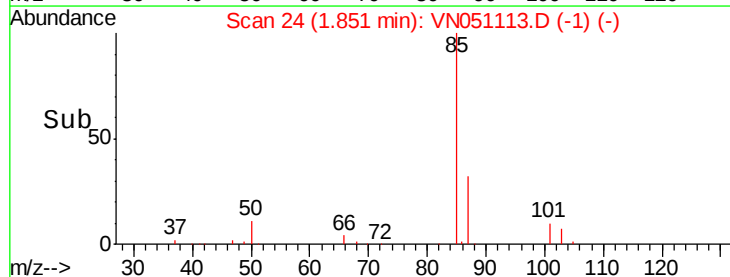
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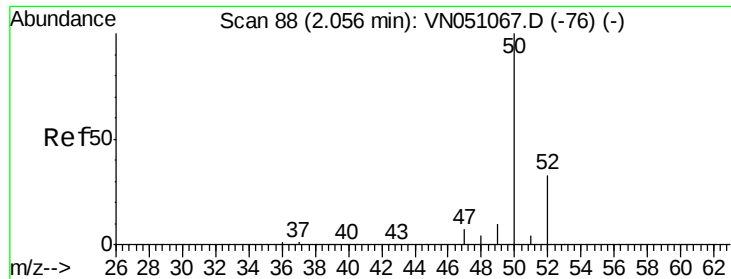
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.30 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS01

Tot Ion: 50 Resp: 162823

Ion Ratio Lower Upper

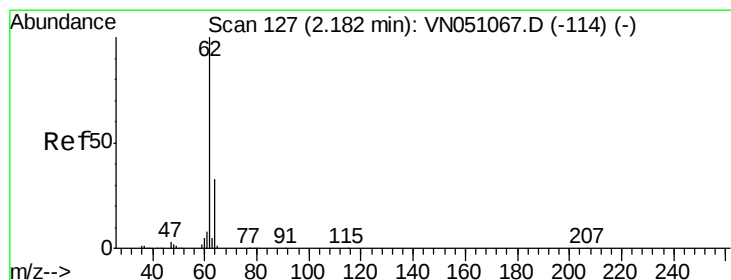
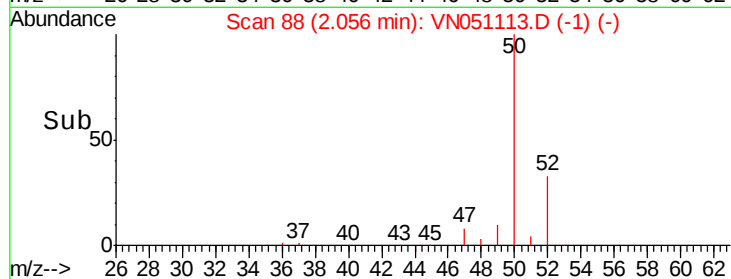
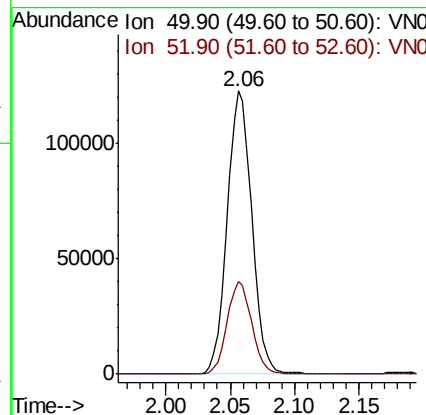
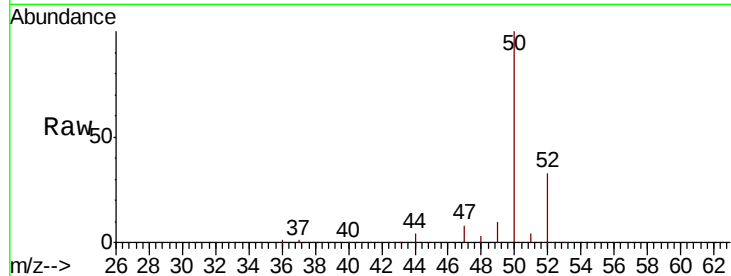
50 100

52 32.9 26.0 39.0

Manual Integrations
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9/12/2018 10:06:41 AM



#4

Vinyl Chloride

Concen: 18.69 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051113.D

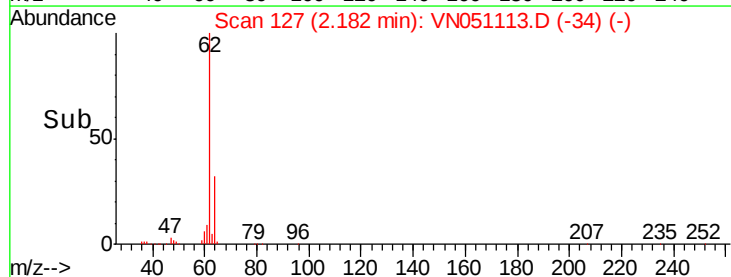
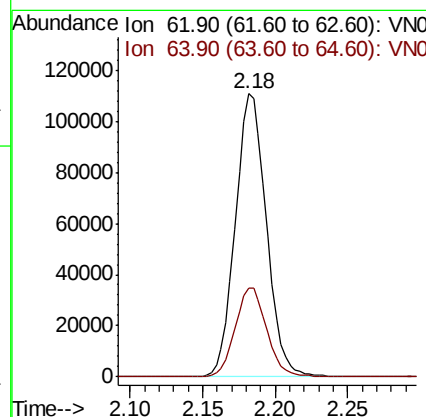
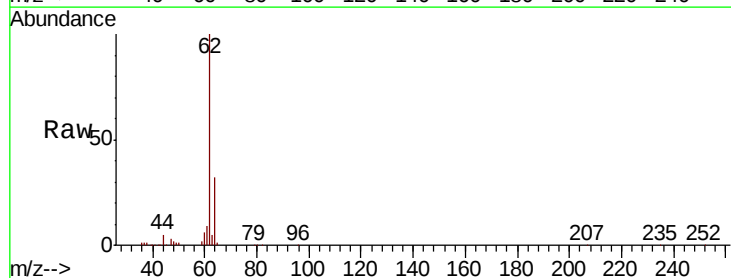
Acq: 11 Sep 2018 9:27

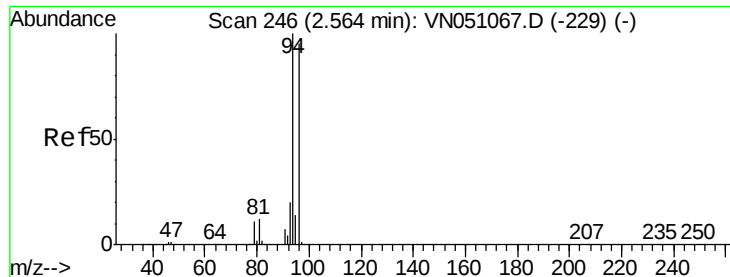
Tgt Ion: 62 Resp: 164726

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 18.82 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion: 94 Resp: 96677

Ion Ratio Lower Upper

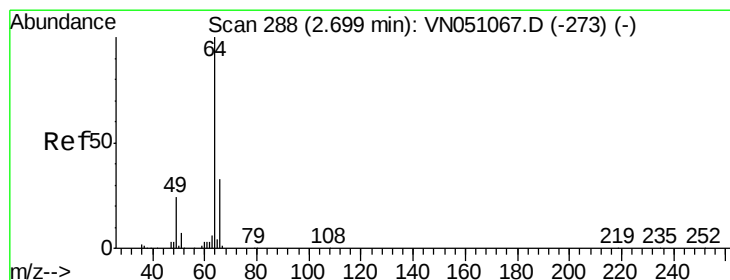
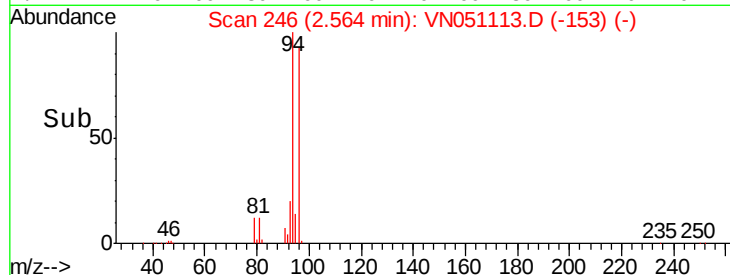
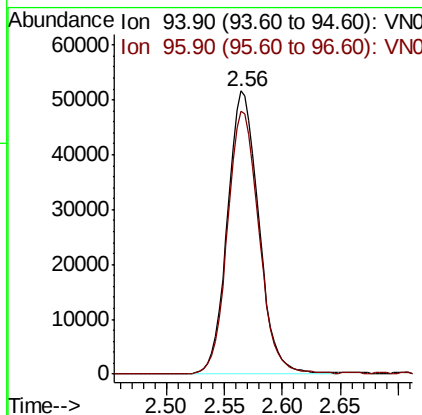
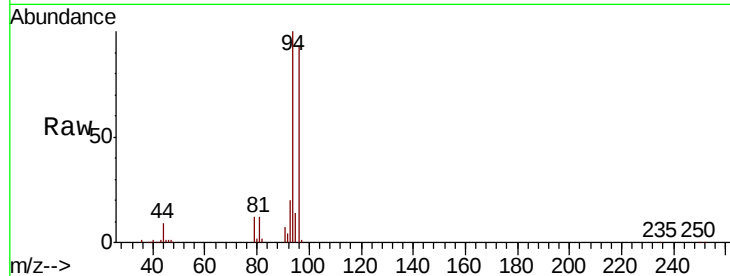
94 100

96 92.9 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 18.25 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051113.D

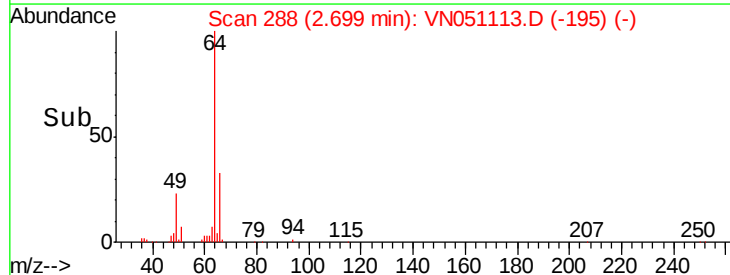
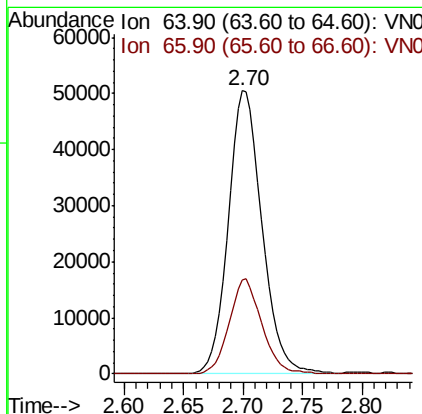
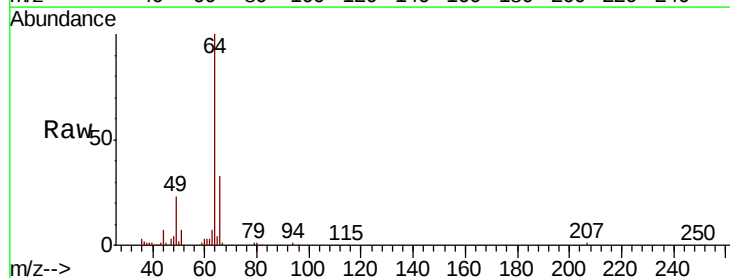
Acq: 11 Sep 2018 9:27

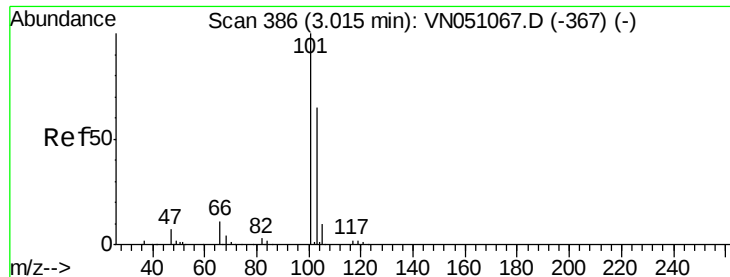
Tgt Ion: 64 Resp: 99301

Ion Ratio Lower Upper

64 100

66 33.4 26.1 39.1





#7

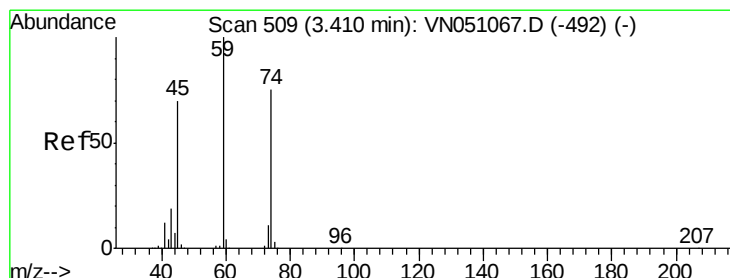
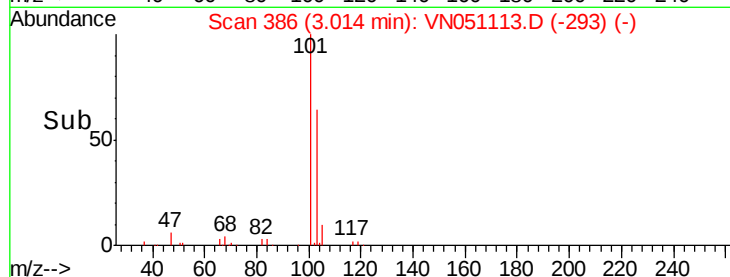
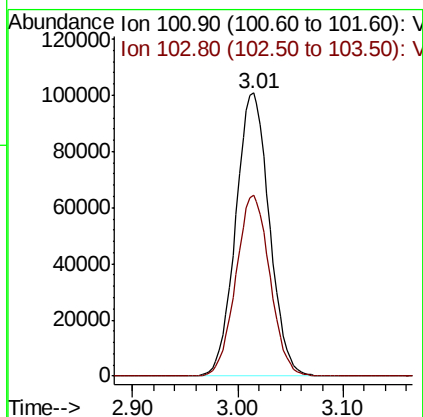
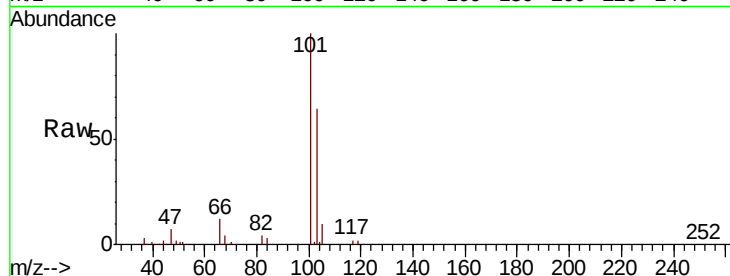
Trichlorofluoromethane
 Concen: 19.08 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
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 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	222856		
103	63.8	52.4	78.6	

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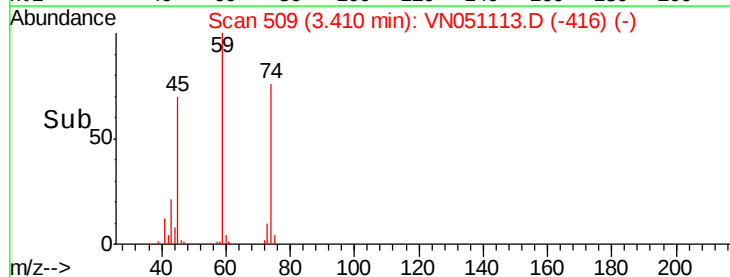
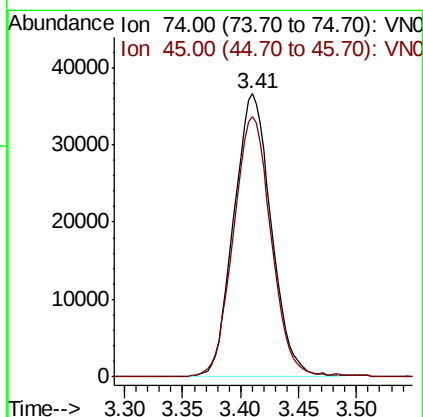
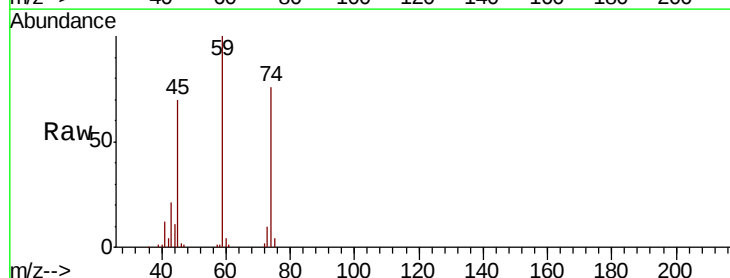
MMDadoda
 9/12/2018 10:06:41 AM

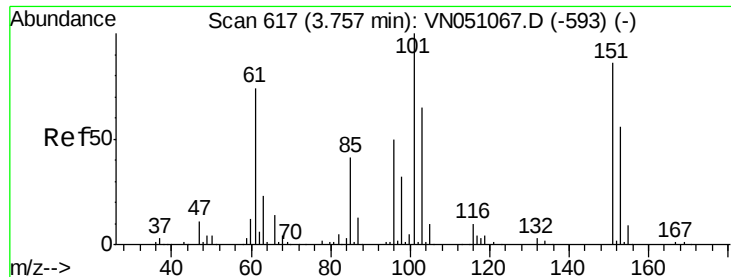


#8

Diethyl Ether
 Concen: 19.08 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	81970		
45	92.7	46.7	140.0	





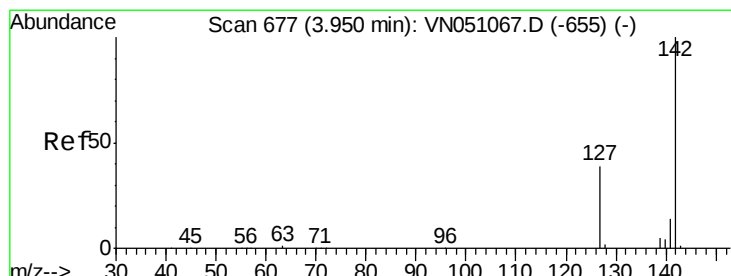
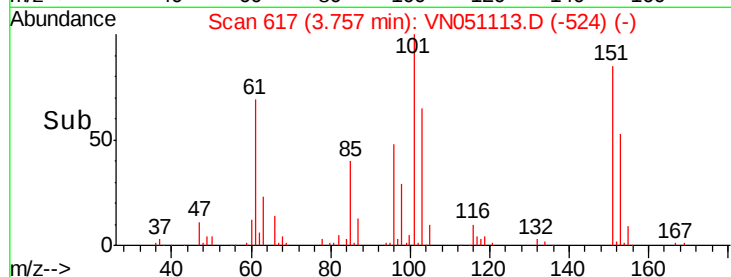
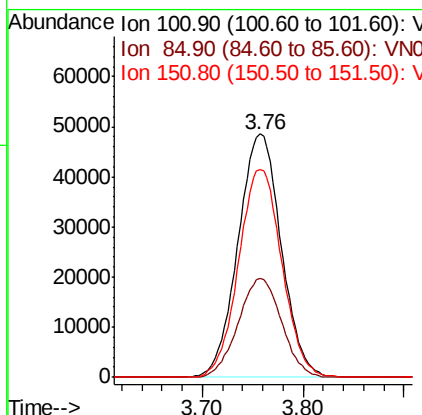
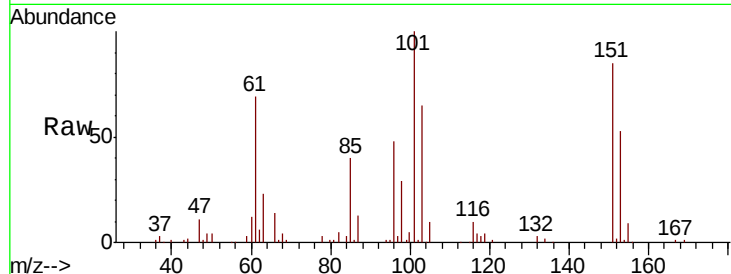
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.13 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	144026		
85	40.9	33.3	49.9	
151	85.8	68.2	102.2	

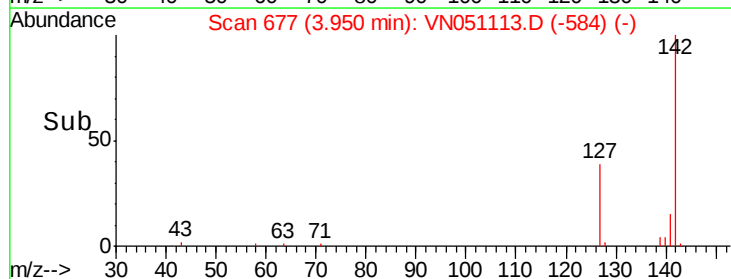
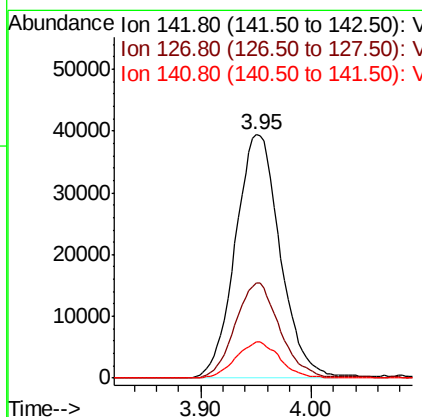
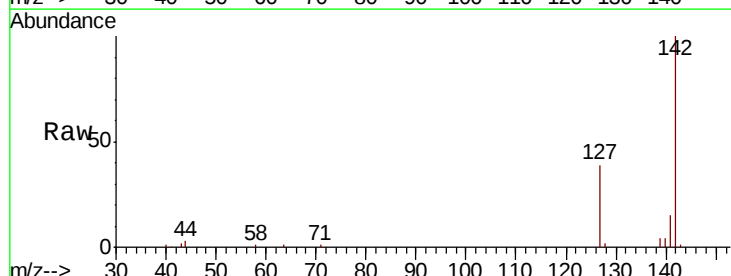
Manual Integrations
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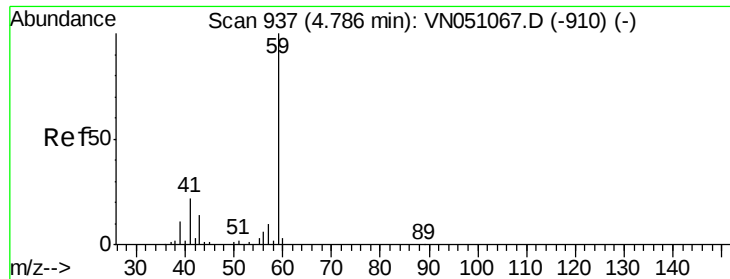
MMDadoda
 9/12/2018 10:06:41 AM



#10
 Methyl Iodide
 Concen: 19.58 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110665		
127	38.9	31.0	46.4	
141	14.4	11.3	16.9	





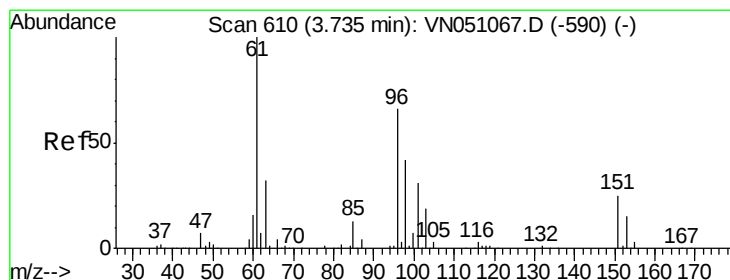
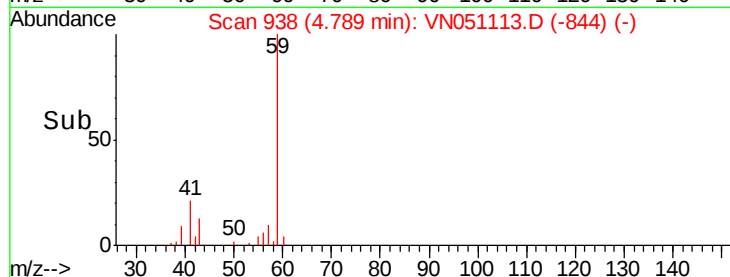
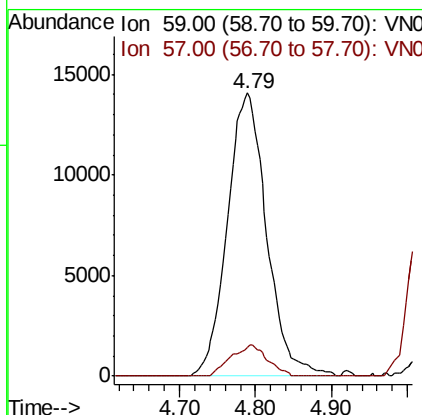
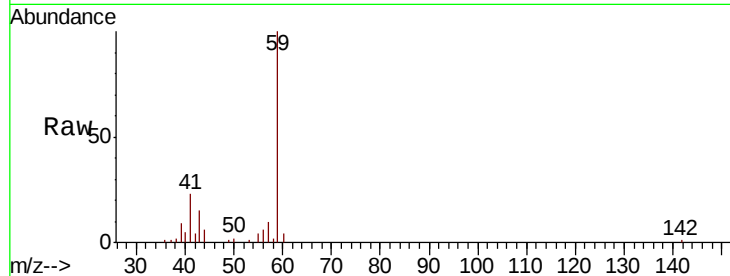
#11
Tert butyl alcohol
Concen: 89.16 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

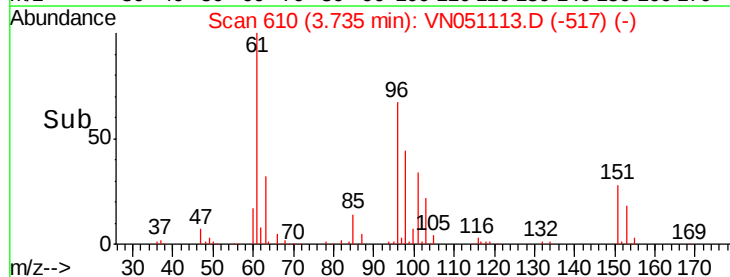
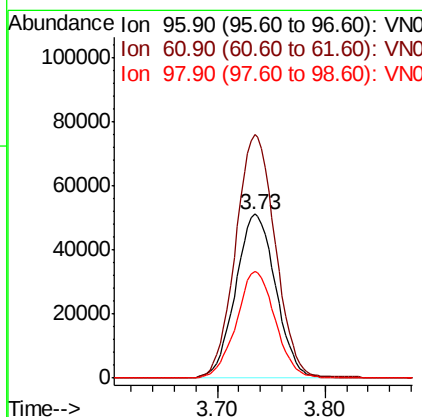
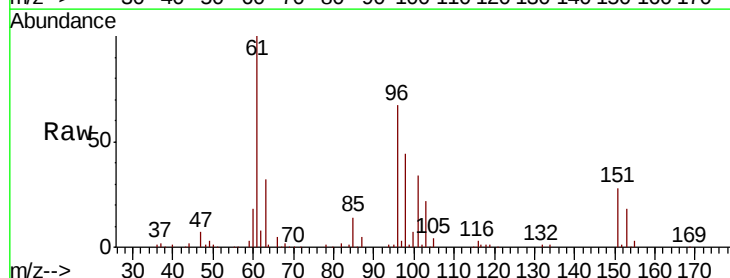
Manual Integrations
APPROVED

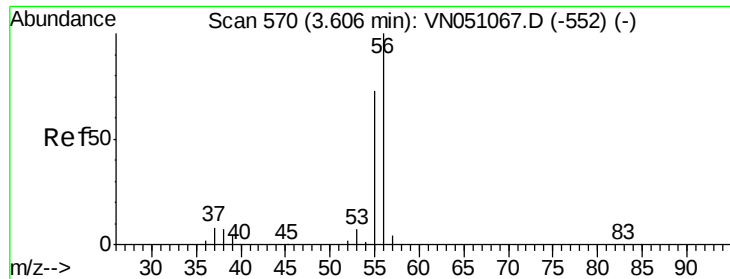
MMDadoda
9/12/2018 10:06:41 AM



#12
1,1-Dichloroethene
Concen: 18.64 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	120.3	180.5
98	64.6	50.8	76.2





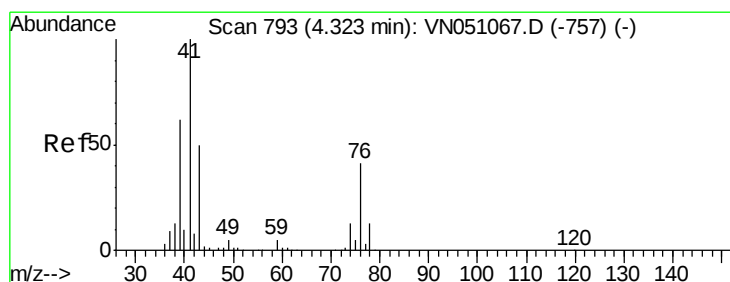
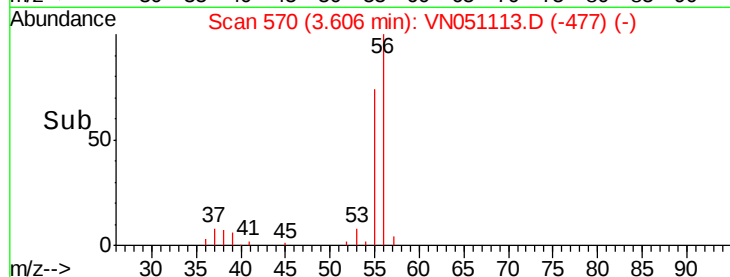
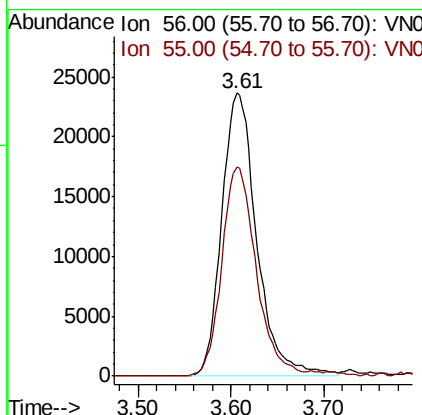
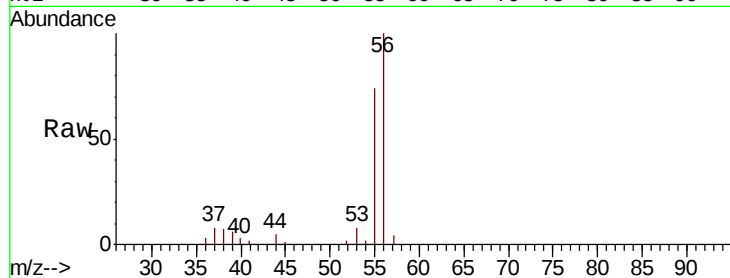
#13
Acrolein
Concen: 105.29 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.5	58.0	87.0

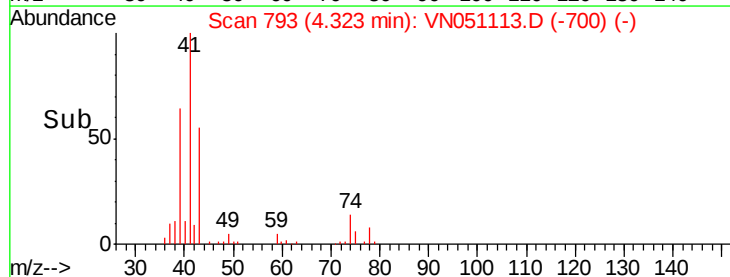
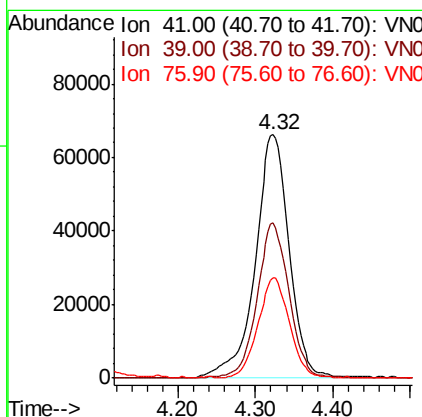
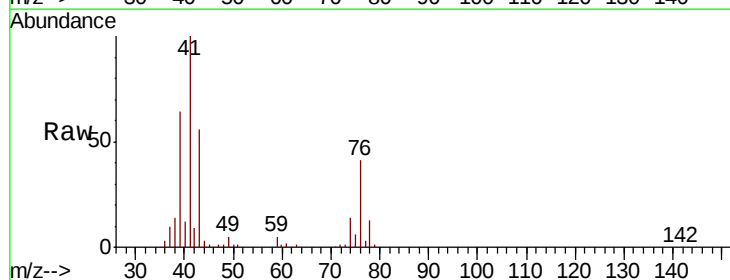
Manual Integrations
APPROVED

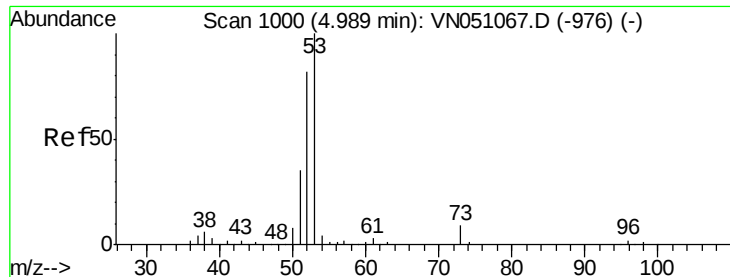
MMDadoda
9/12/2018 10:06:41 AM



#14
Allyl chloride
Concen: 18.67 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	60.3	48.8	73.2
76	76	37.2	30.6	45.8





#15

Acrylonitrile

Concen: 92.56 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

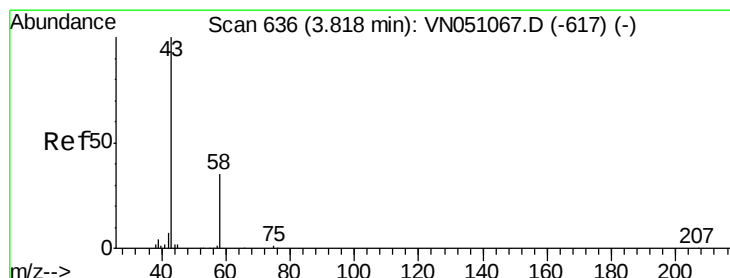
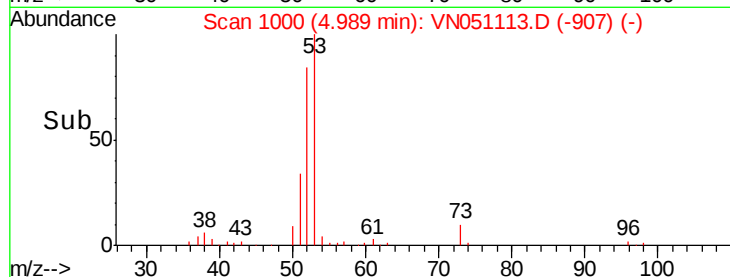
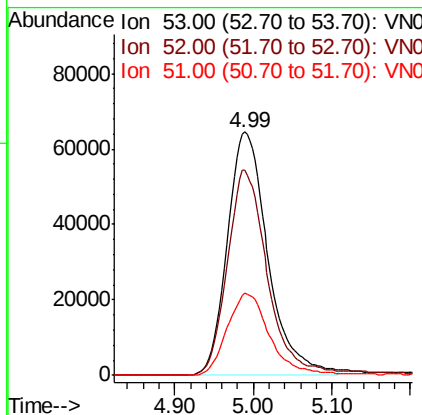
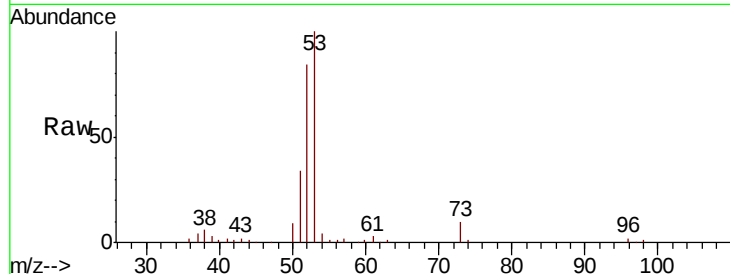
ClientSampleId :

VN0911WBS01

Tot Ion:	53	Resp:	232176
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.3	97.9
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 93.73 ug/l

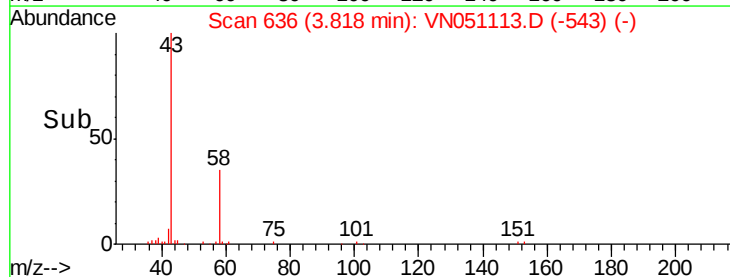
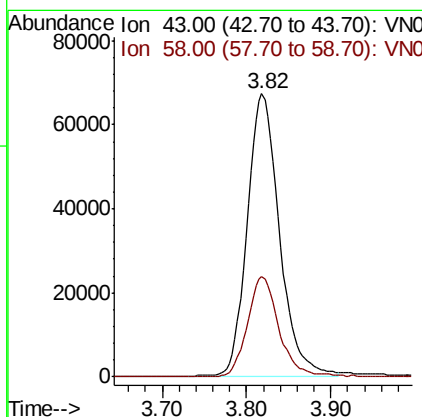
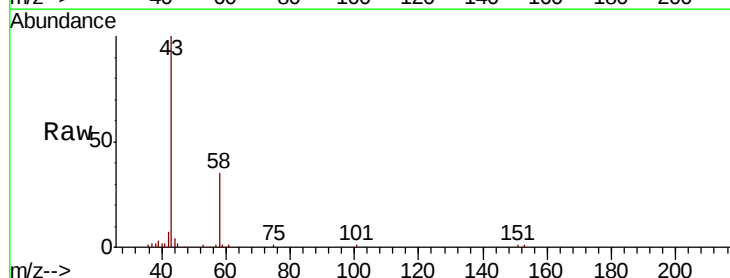
RT: 3.82 min Scan# 636

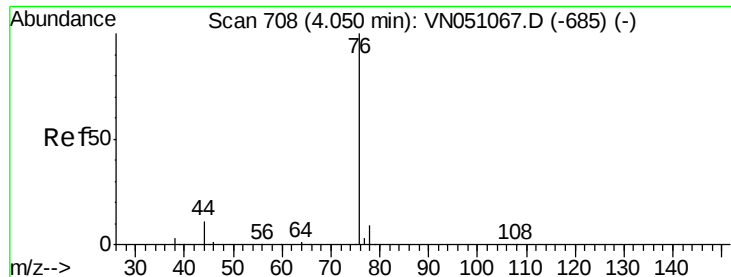
Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Tgt Ion:	43	Resp:	178445
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.8	41.6





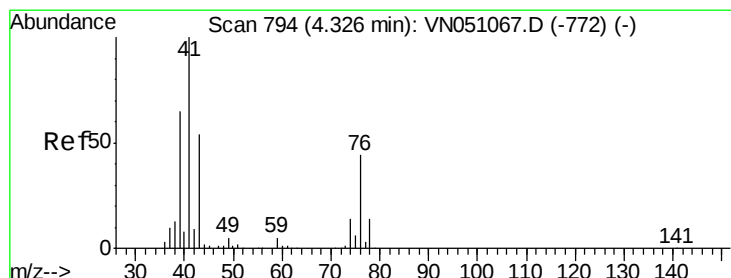
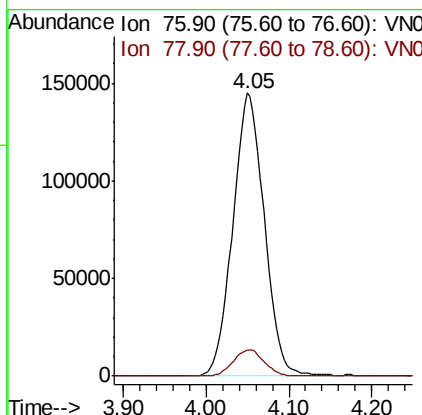
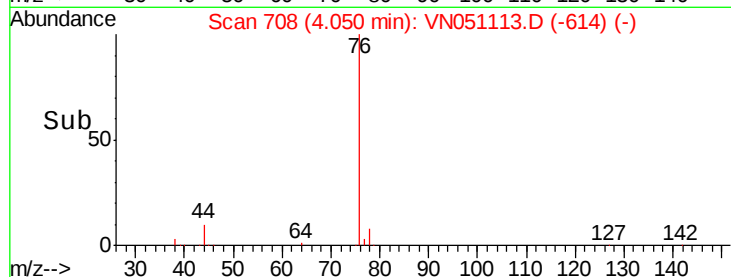
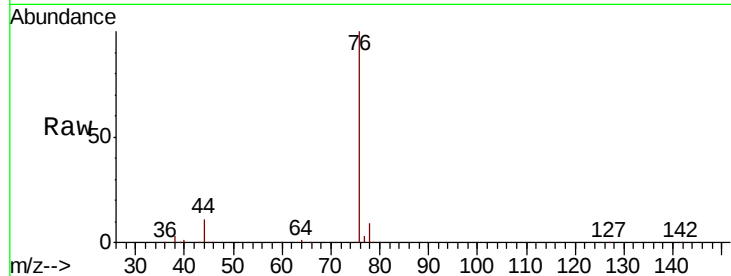
#17
Carbon Disulfide
Concen: 18.34 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

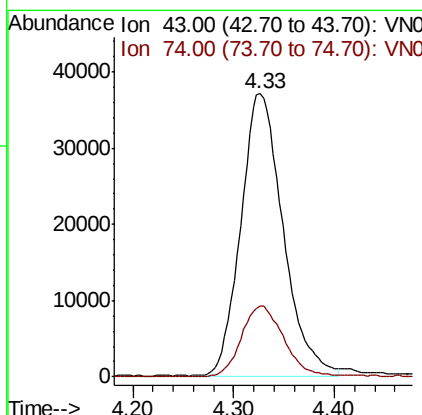
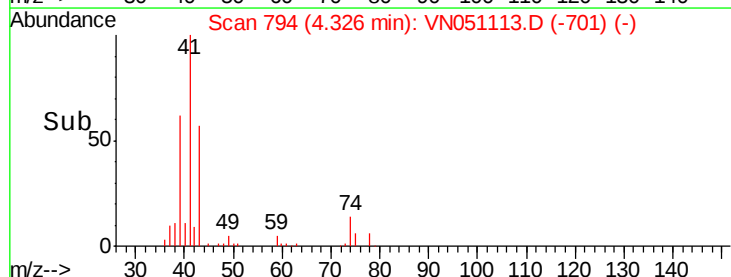
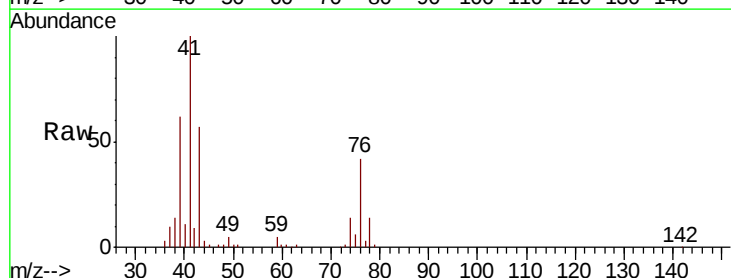
Manual Integrations
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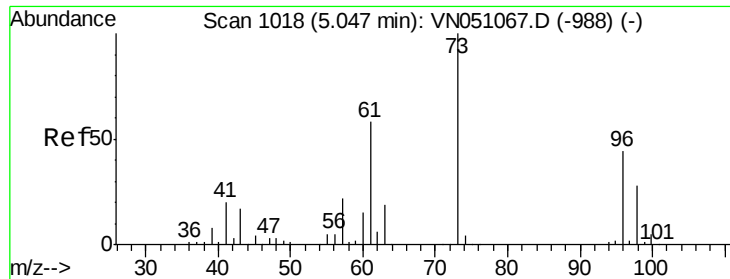
MMDadoda
9/12/2018 10:06:41 AM



#18
Methyl Acetate
Concen: 18.33 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.7	31.1





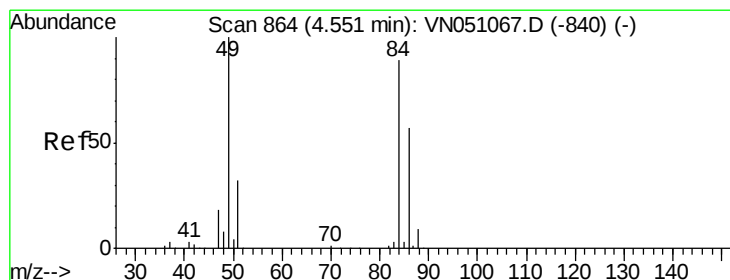
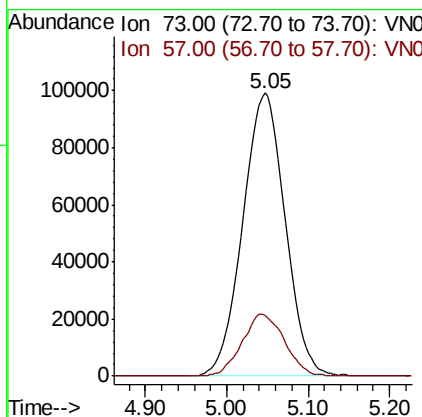
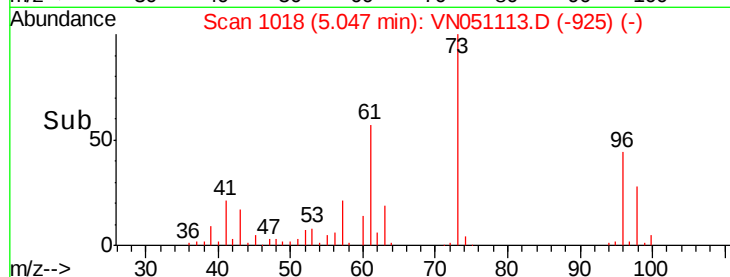
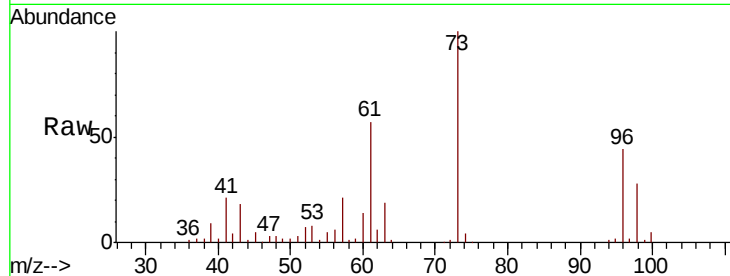
#19
Methvl tert-butvl Ether
Concen: 19.01 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion: 73 Resp: 357069
Ion Ratio Lower Upper
73 100
57 21.4 17.9 26.9

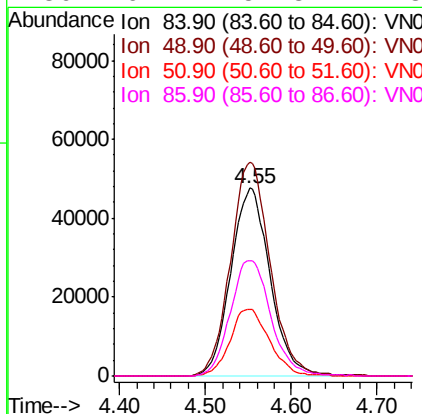
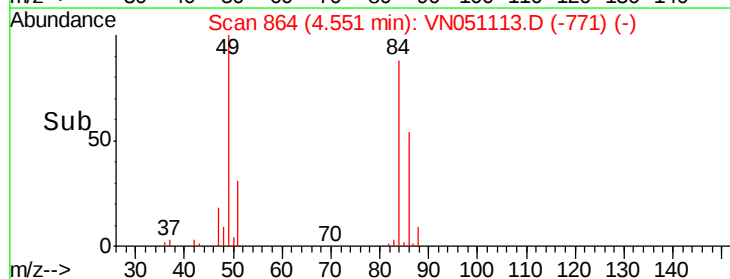
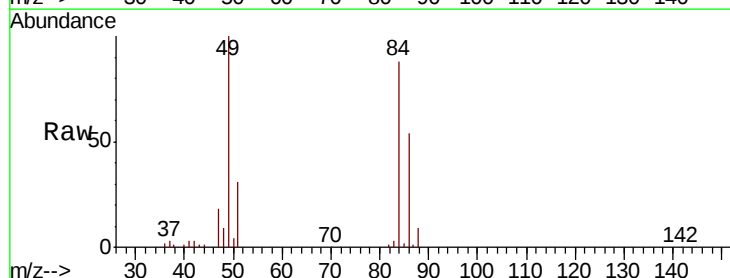
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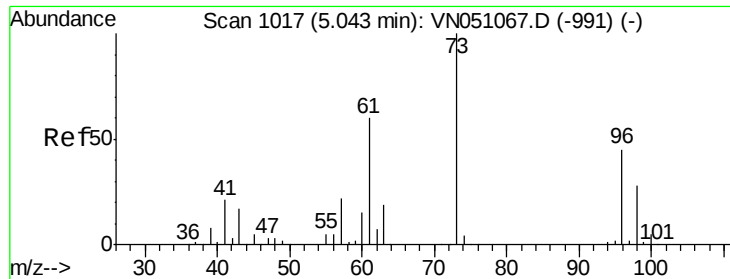
MMDadoda
9/12/2018 10:06:41 AM



#20
Methylene Chloride
Concen: 18.45 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion: 84 Resp: 151069
Ion Ratio Lower Upper
84 100
49 113.7 90.2 135.2
51 35.8 28.4 42.6
86 61.7 51.8 77.8





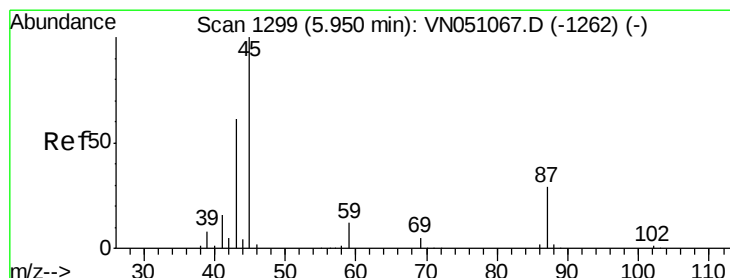
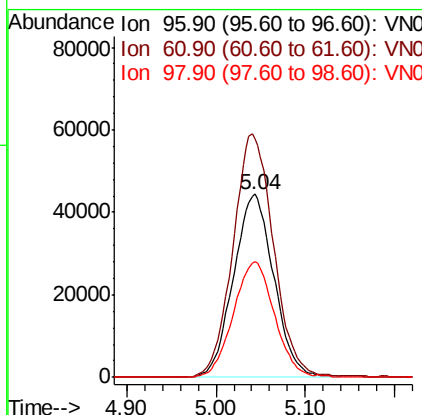
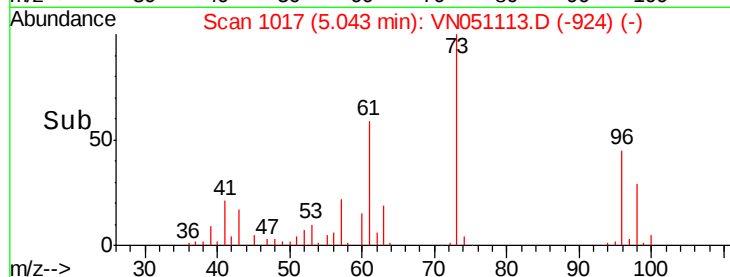
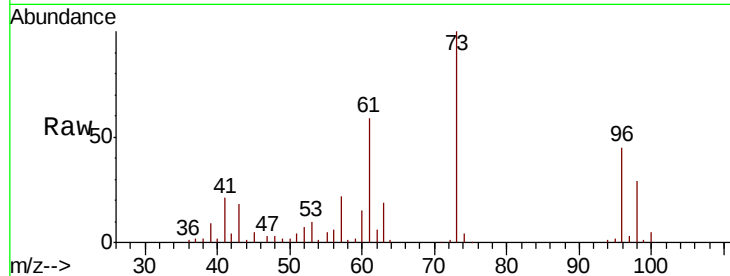
#21
trans-1,2-Dichloroethene
Concen: 18.06 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	106.5	159.7
98	63.2	50.4	75.6

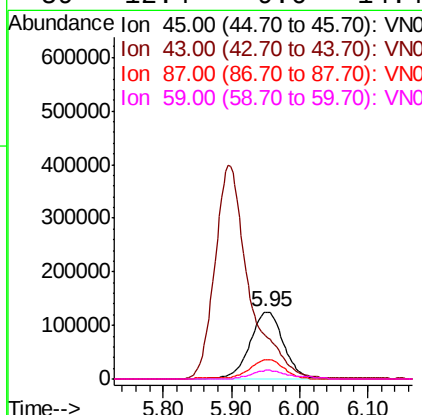
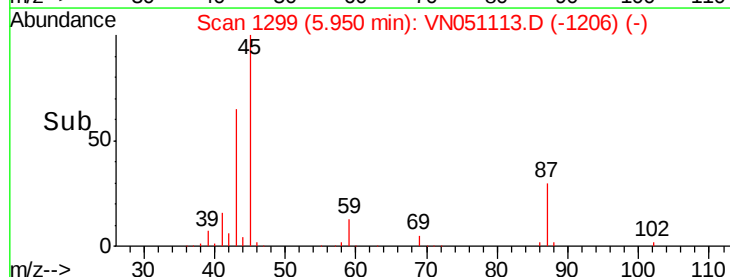
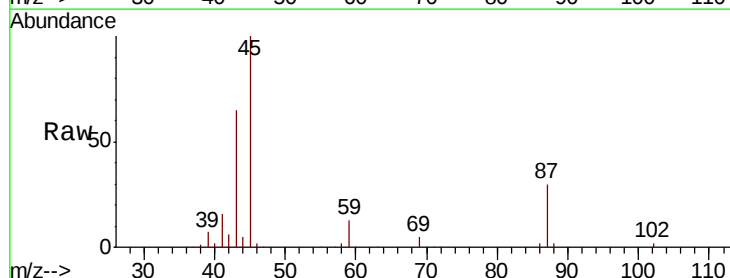
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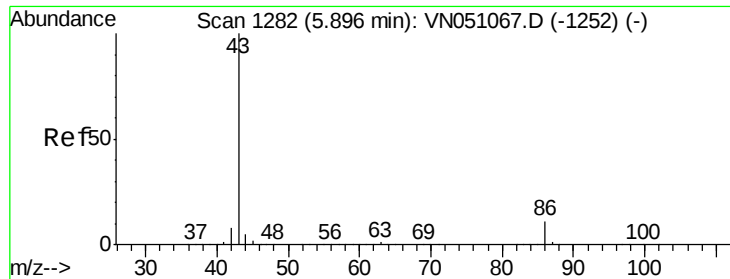
MMDadoda
9/12/2018 10:06:41 AM



#22
Diisopropyl ether
Concen: 19.85 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	48.8	73.2
87	29.4	23.8	35.8
59	12.4	9.6	14.4





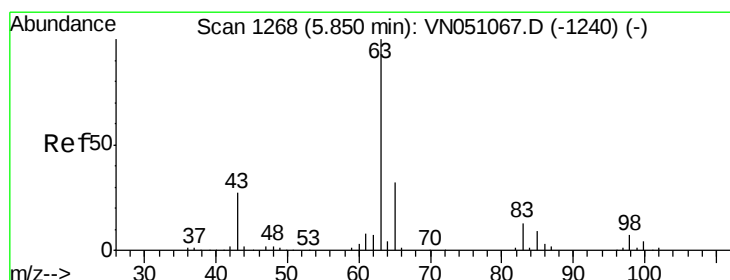
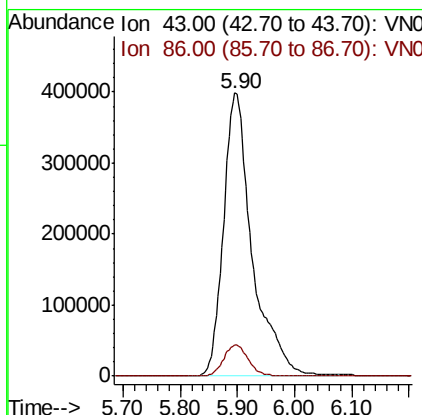
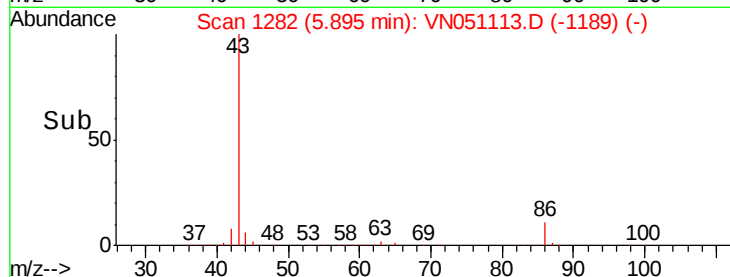
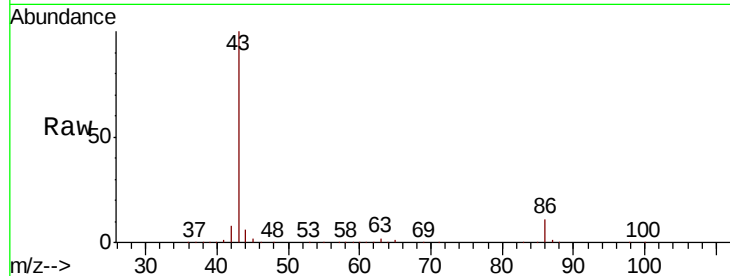
#23
 Vinyl Acetate
 Concen: 95.87 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS01

Tot Ion: 43 Resp: 1393798
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.2 13.8

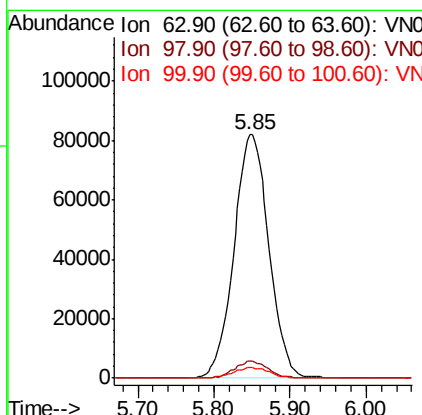
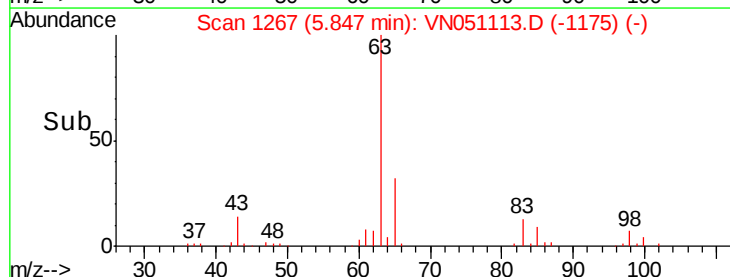
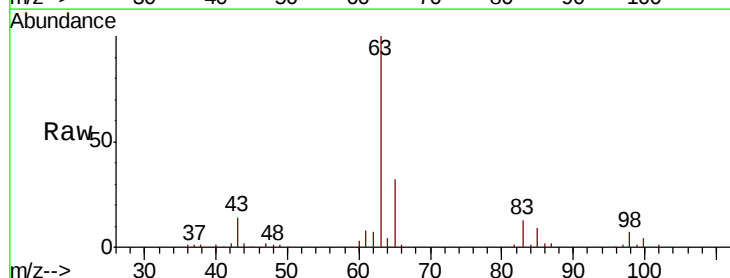
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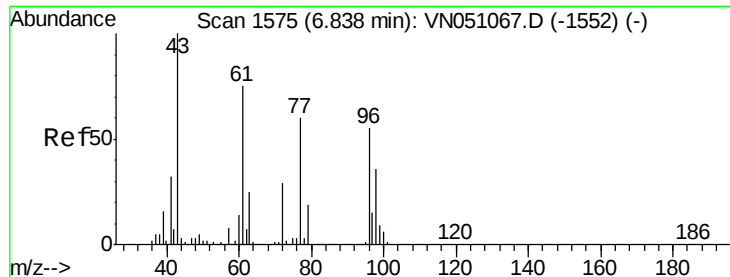
MMDadoda
 9/12/2018 10:06:41 AM



#24
 1,1-Dichloroethane
 Concen: 19.12 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion: 63 Resp: 260611
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.4 2.1 6.3





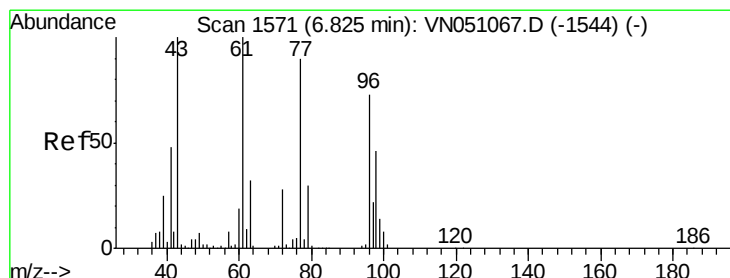
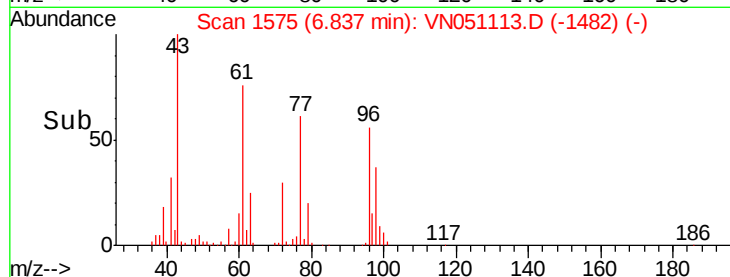
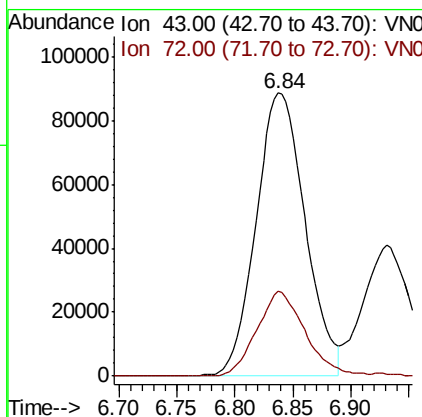
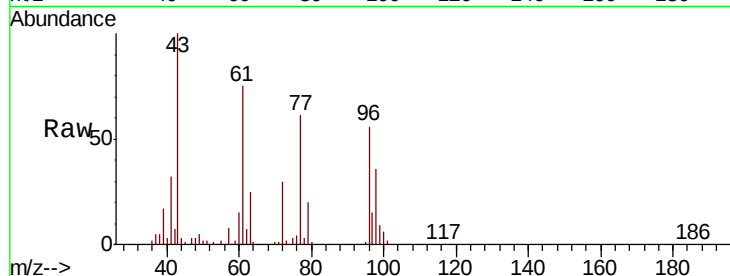
#25
2-Butanone
Concen: 89.48 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion: 43 Resp: 260742
Ion Ratio Lower Upper
43 100
72 30.0 23.0 34.6

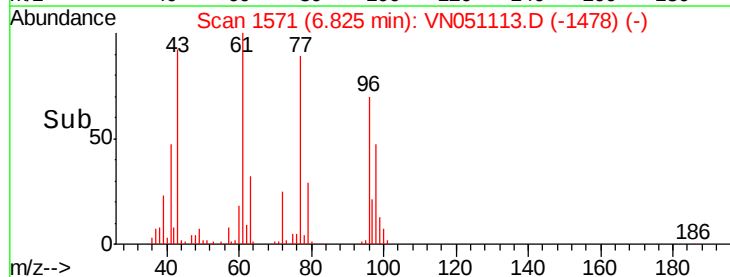
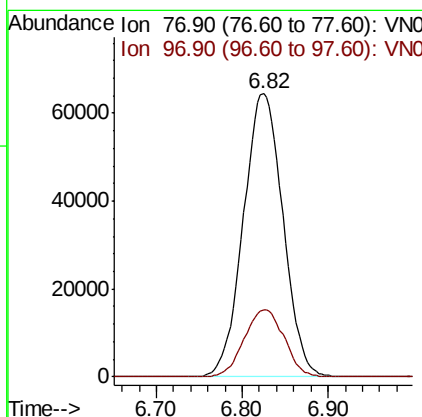
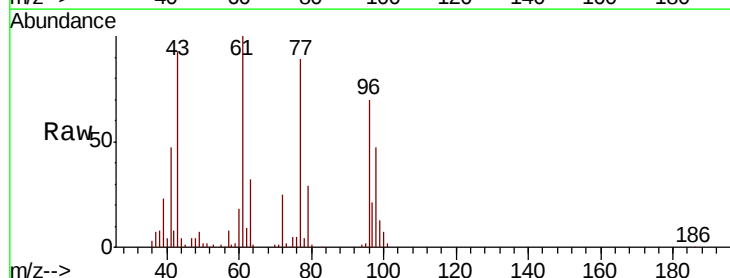
Manual Integrations
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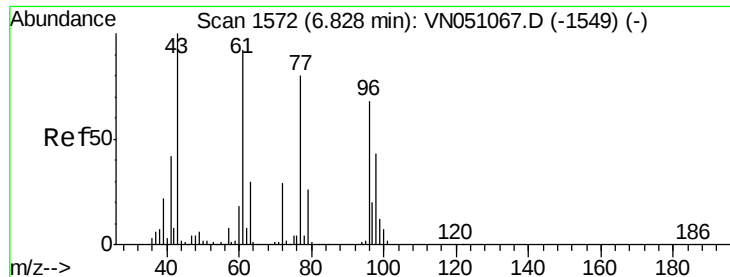
MMDadoda
9/12/2018 10:06:41 AM



#26
2,2-Dichloropropane
Concen: 18.54 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion: 77 Resp: 206848
Ion Ratio Lower Upper
77 100
97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.70 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

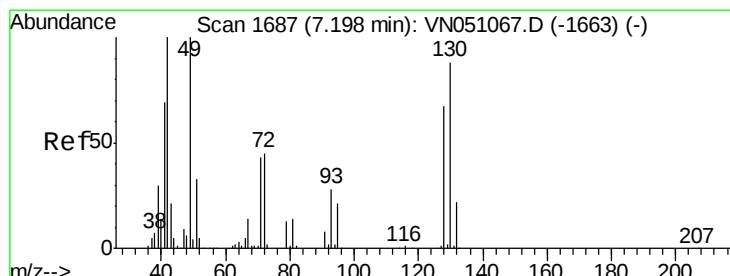
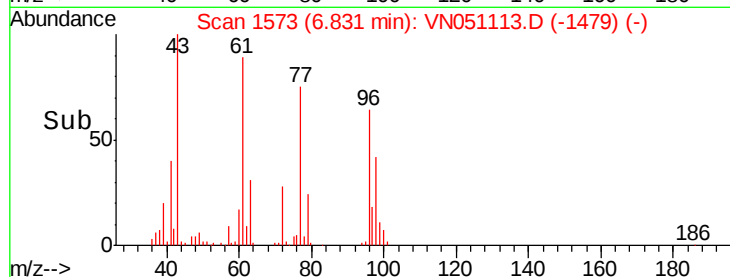
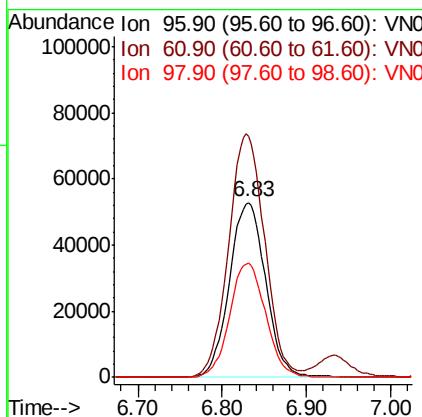
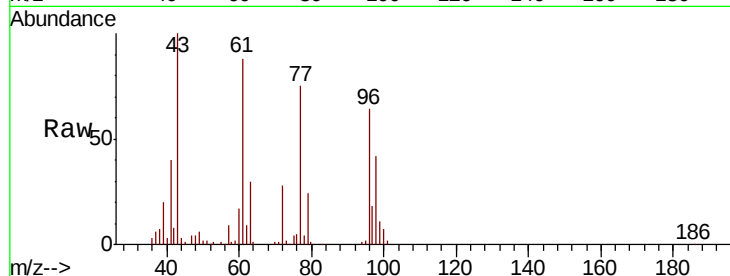
ClientSampleId :

VN0911WBS01

Tot Ion:	96	Resp:	158051
Ion Ratio	Lower	Upper	
96	100		
61	138.8	0.0	278.2
98	64.9	0.0	129.4

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#28

Bromochloromethane

Concen: 16.97 ug/l

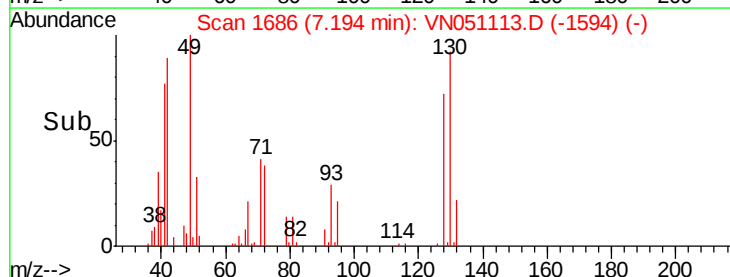
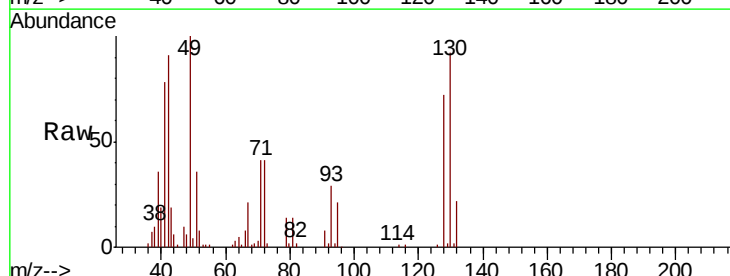
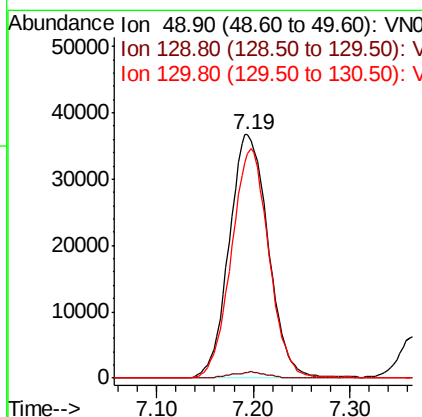
RT: 7.19 min Scan# 1686

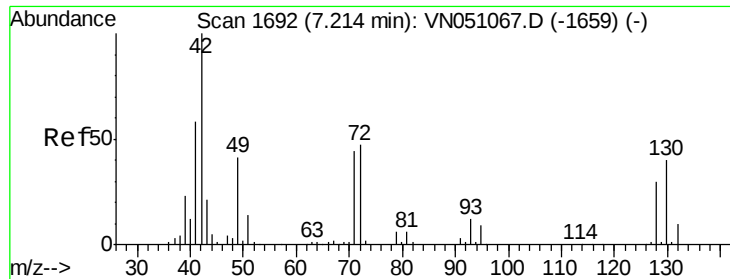
Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Tgt Ion:	49	Resp:	102962
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	90.2	70.7	106.1





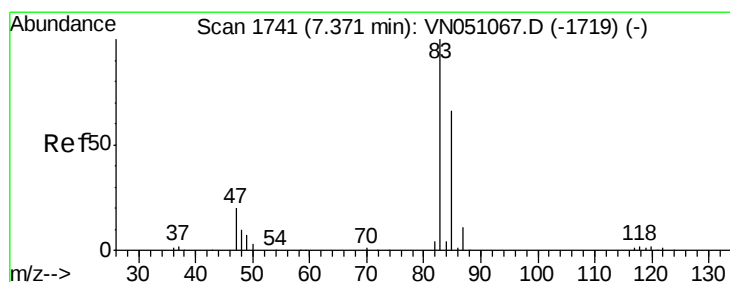
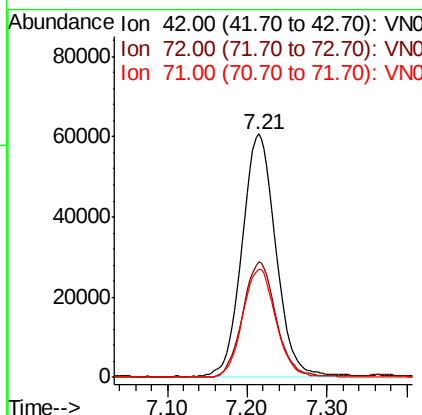
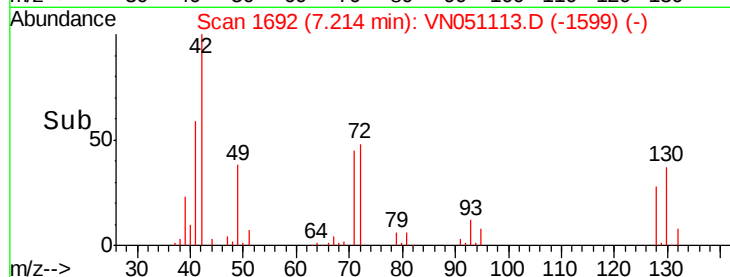
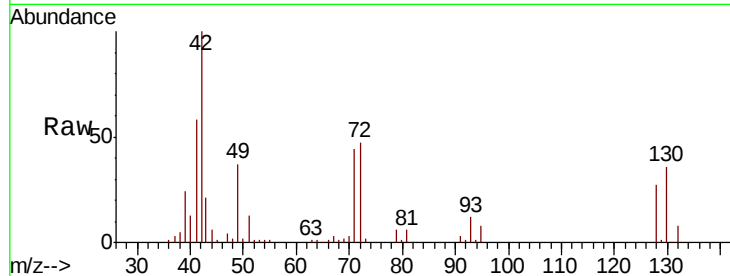
#29
Tetrahydrofuran
Concen: 96.00 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.3	34.7	52.1

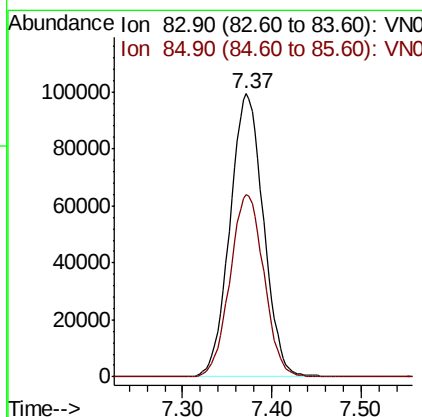
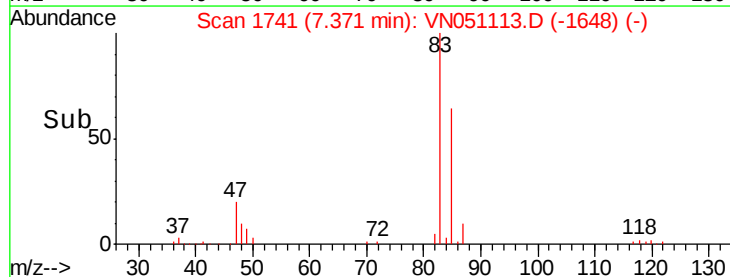
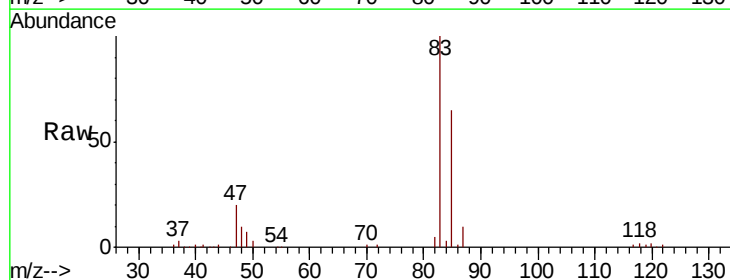
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APPROVED

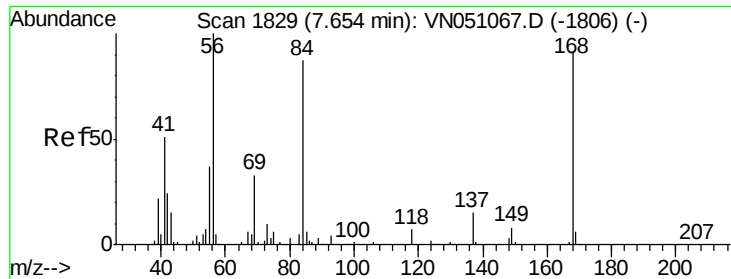
MMDadoda
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#30
Chloroform
Concen: 19.13 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	79.0





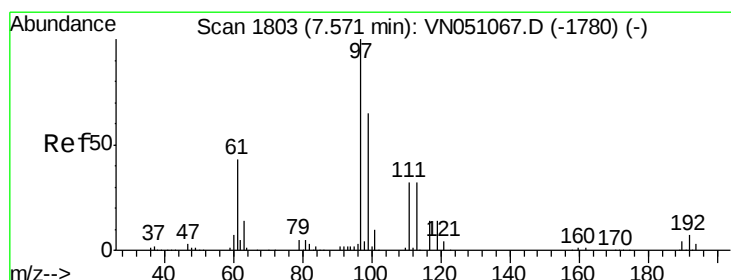
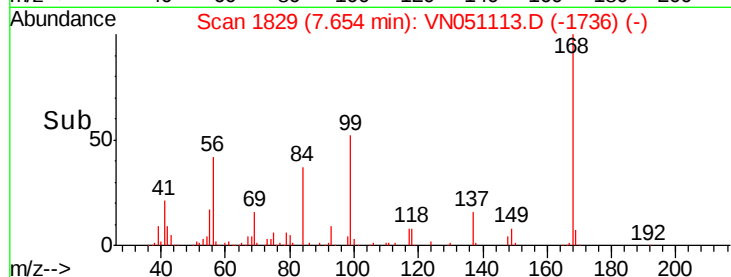
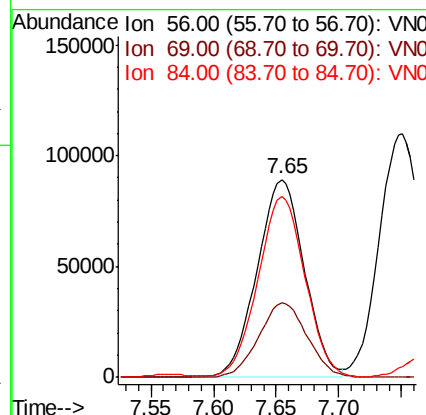
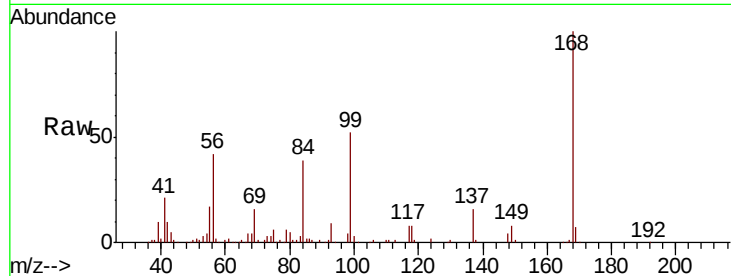
#31
Cvclohexane
Concen: 19.11 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.3	39.5
84	90.2	69.4	104.0

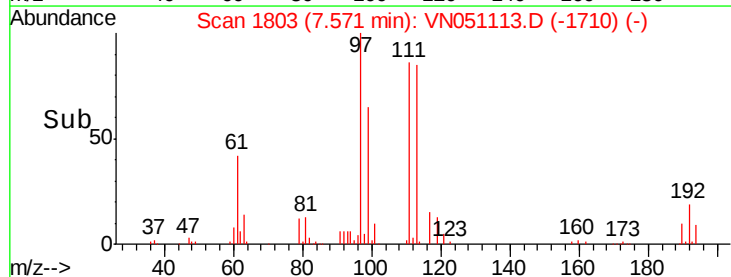
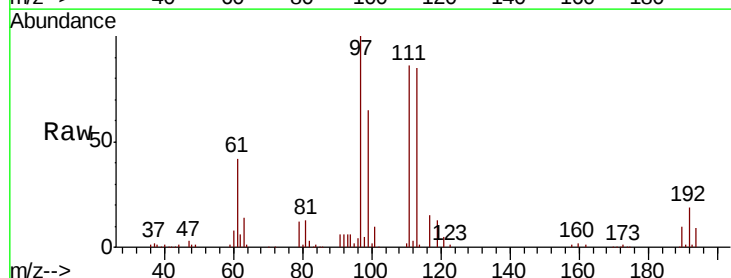
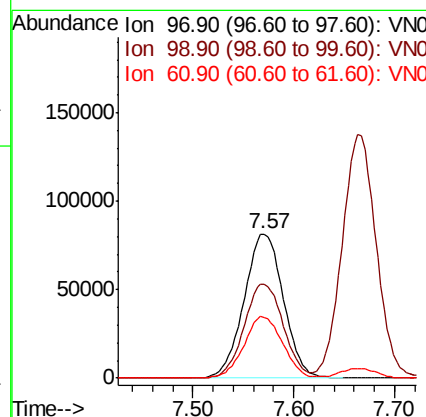
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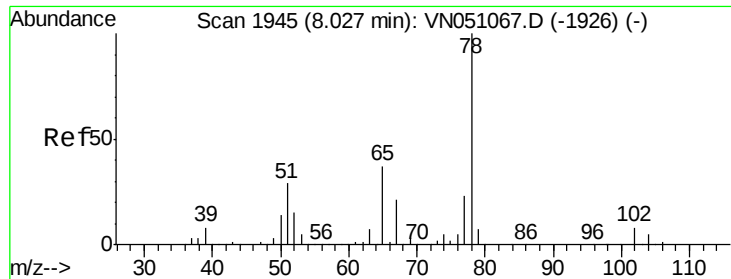
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#32
1,1,1-Trichloroethane
Concen: 19.04 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	42.0	33.8	50.6





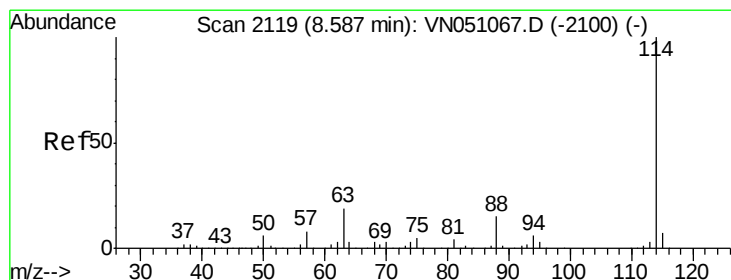
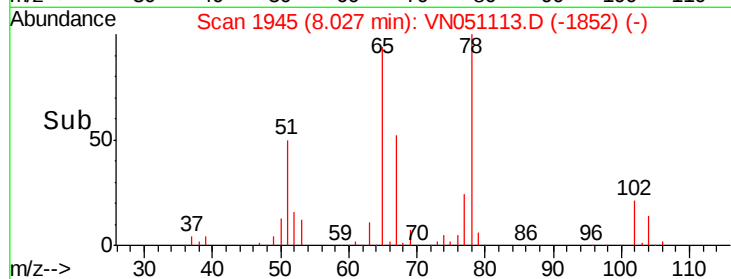
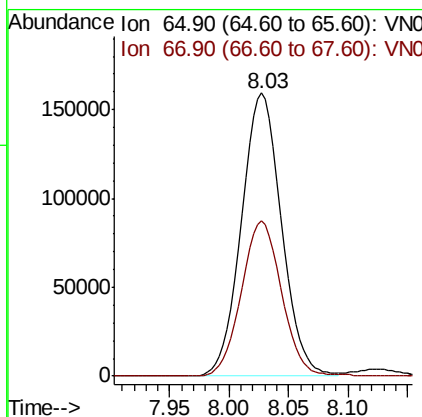
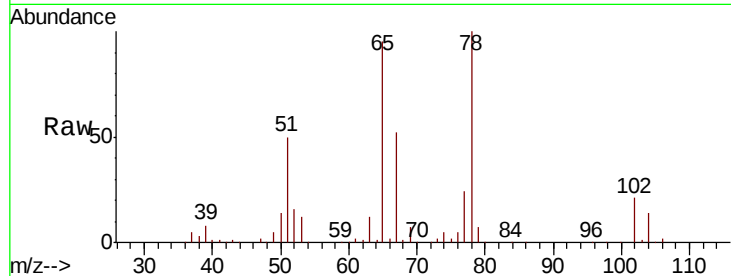
#33
 1,2-Dichloroethane-d4
 Concen: 50.20 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	372047		
67	55.2	0.0	112.0	

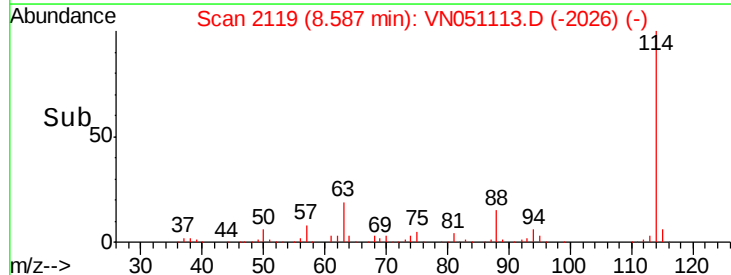
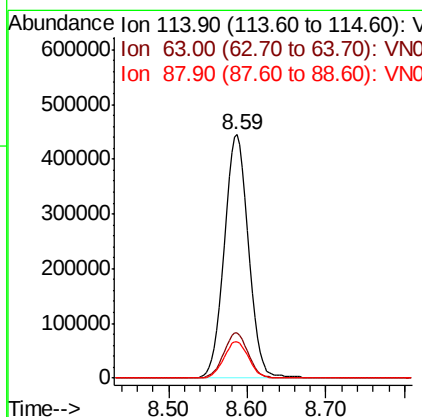
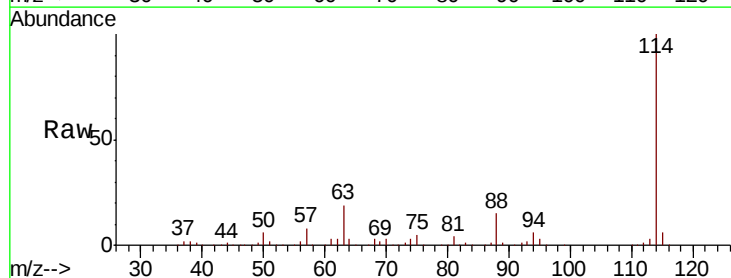
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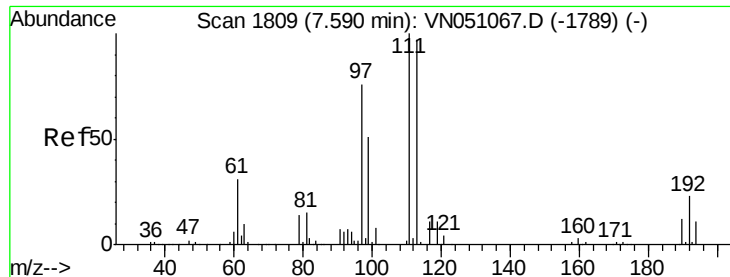
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	943174		
63	18.6	0.0	37.8	
88	15.1	0.0	30.8	





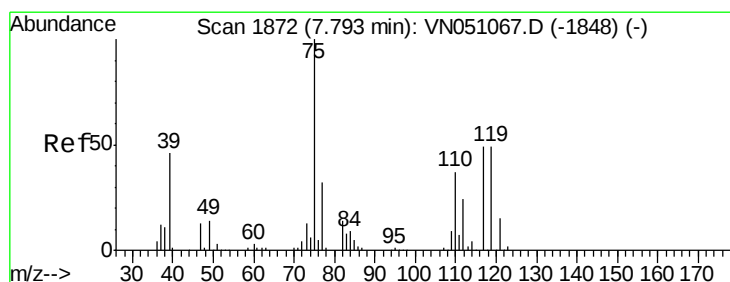
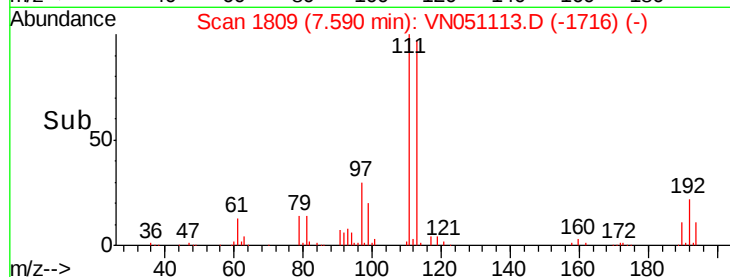
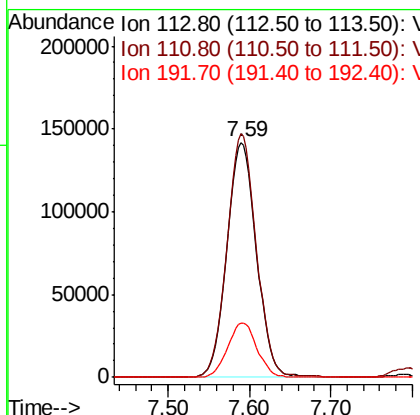
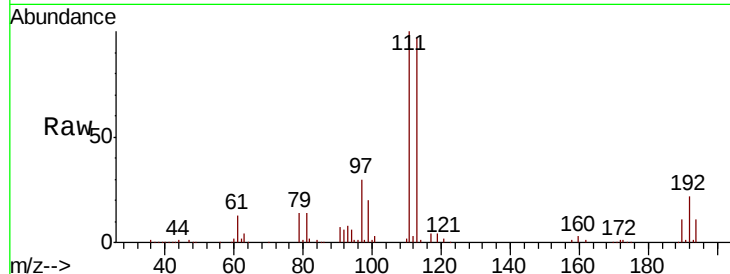
#35
 Dibromofluoromethane
 Concen: 50.90 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	83.0	124.6	
192	23.1	18.7	28.1	

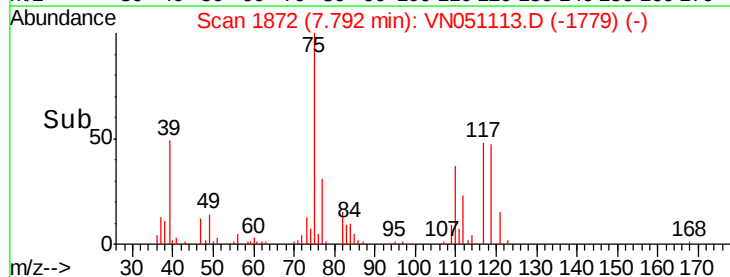
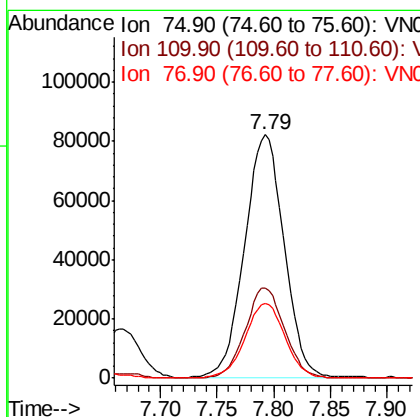
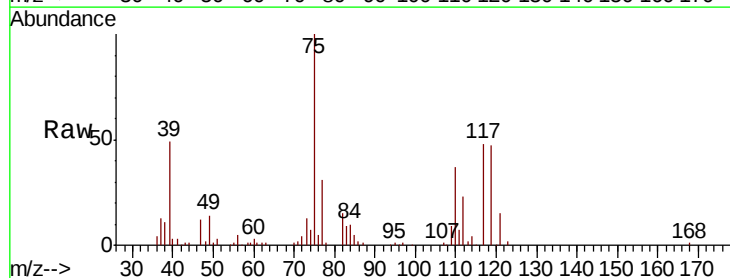
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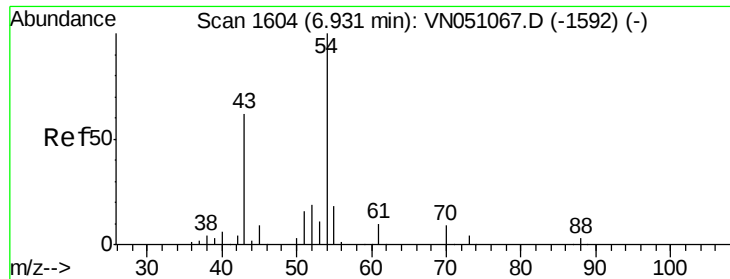
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#36
 1,1-Dichloropropene
 Concen: 19.19 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.6	55.8	
77	31.4	25.2	37.8	





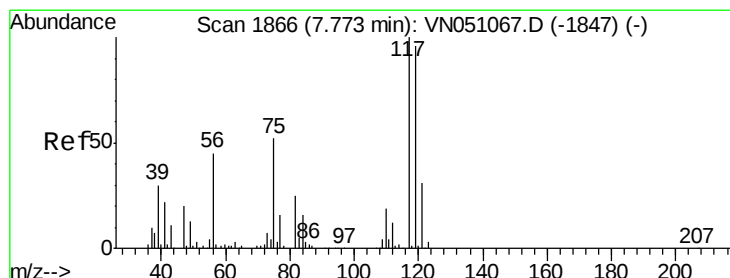
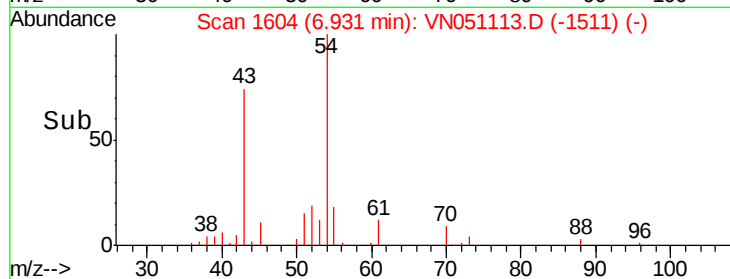
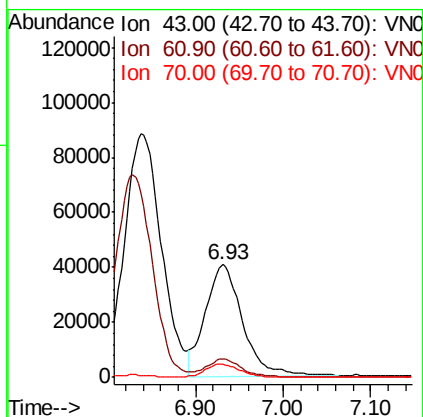
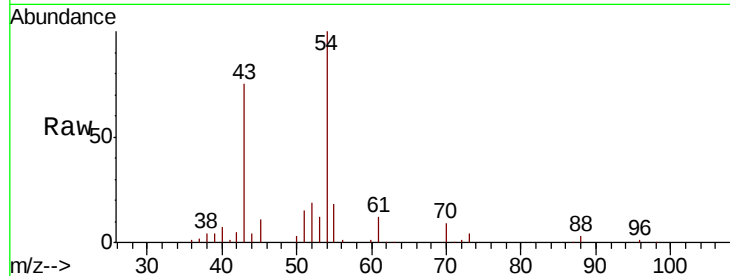
#37
Ethyl Acetate
Concen: 20.02 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.4	18.6
70	11.2	9.3	13.9

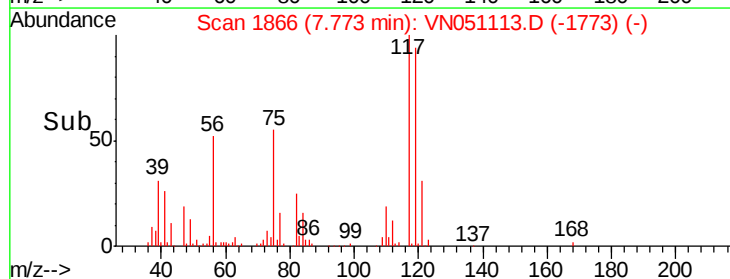
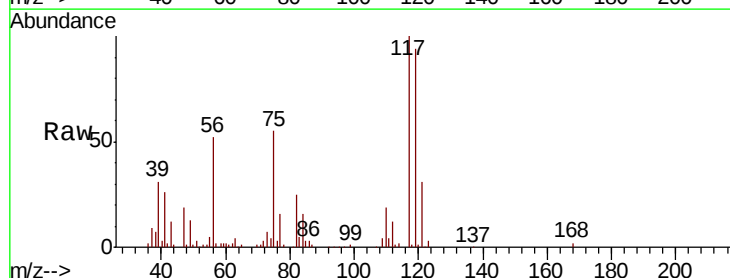
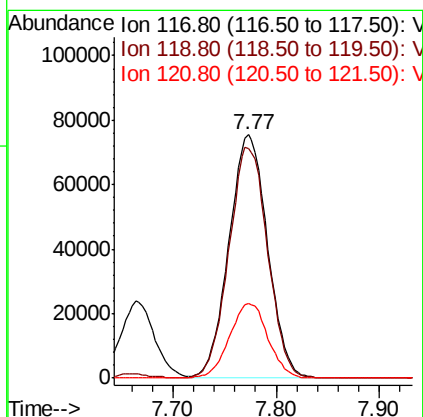
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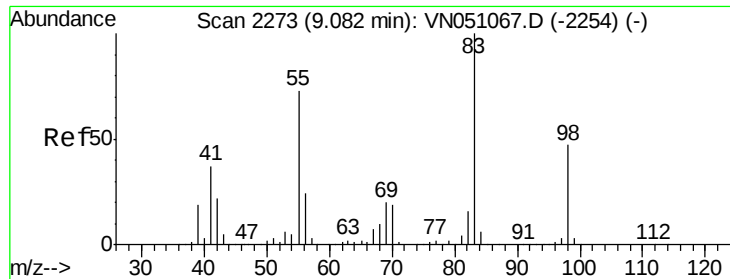
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#38
Carbon Tetrachloride
Concen: 19.27 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.5	24.6	36.8





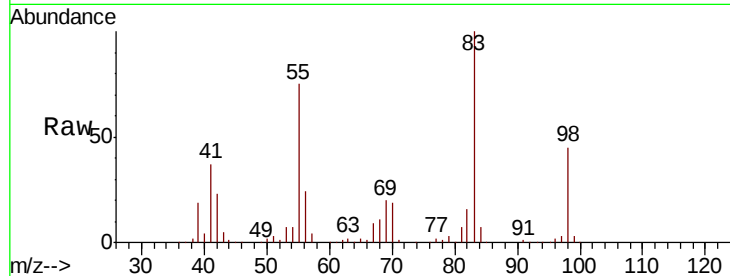
#39
Methylvlcvclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

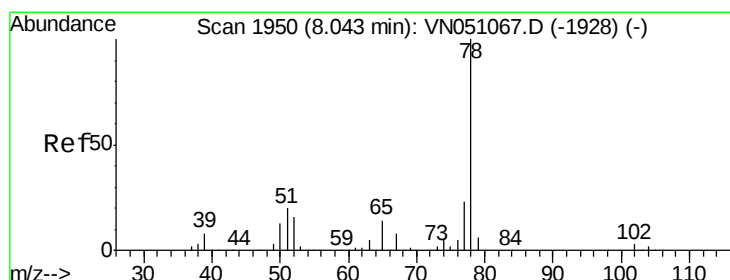
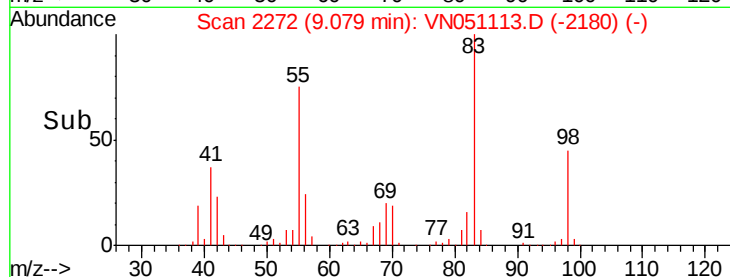
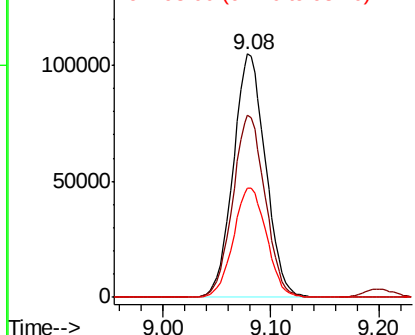
Tot Ion	Ratio	Resp	Lower	Upper
83	100	218619		
55	74.8		58.4	87.6
98	45.0		37.3	55.9

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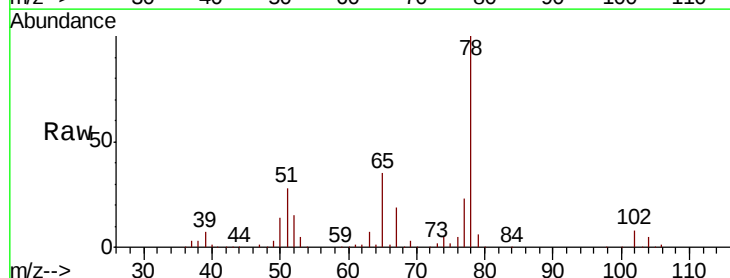


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

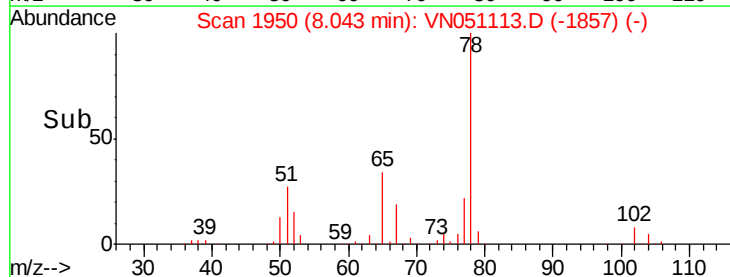
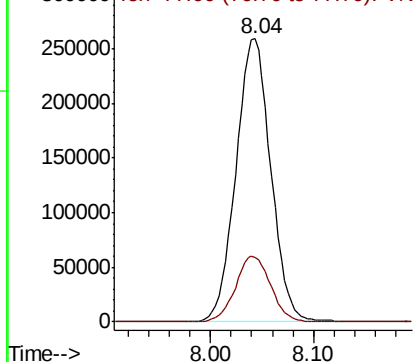


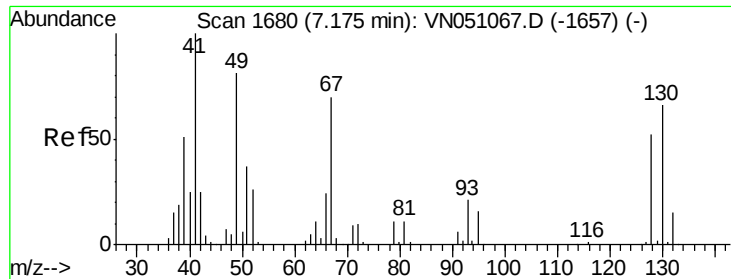
#40
Benzene
Concen: 19.50 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	608468		
77	22.7		18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





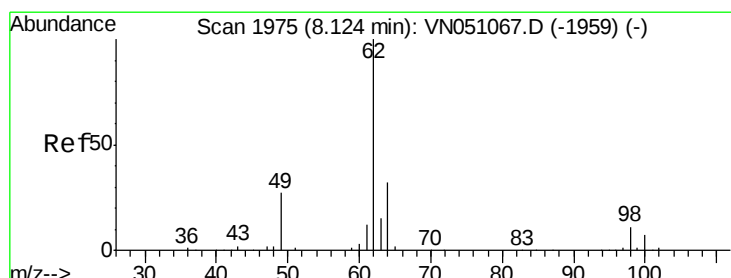
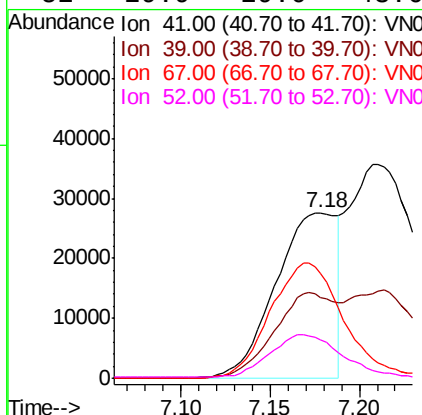
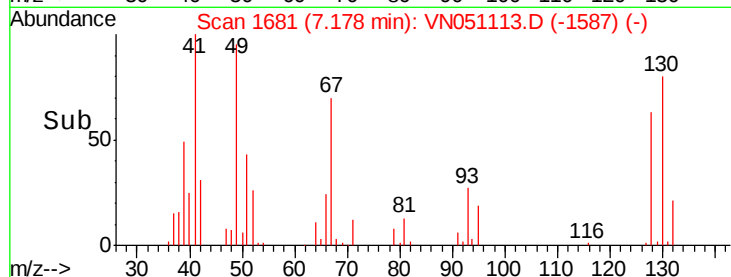
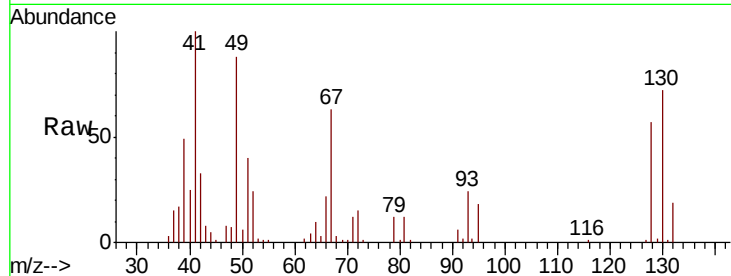
#41
Methacrylonitrile
Concen: 21.27 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	51.3	76.9#
67	83.1	78.5	117.7
52	29.9	29.0	43.6

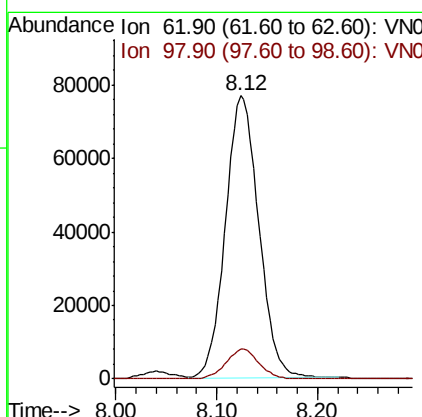
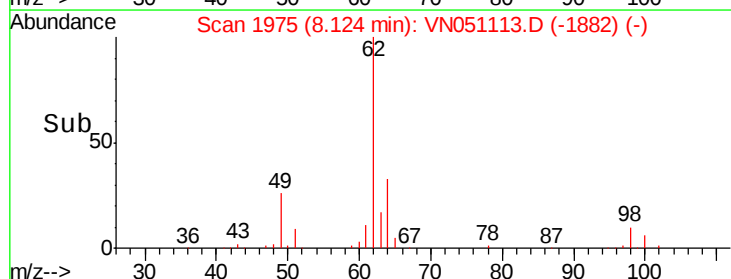
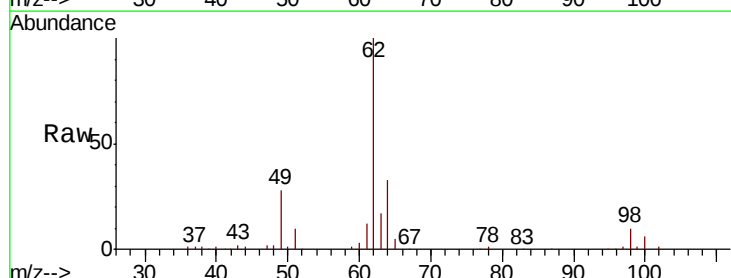
Manual Integrations
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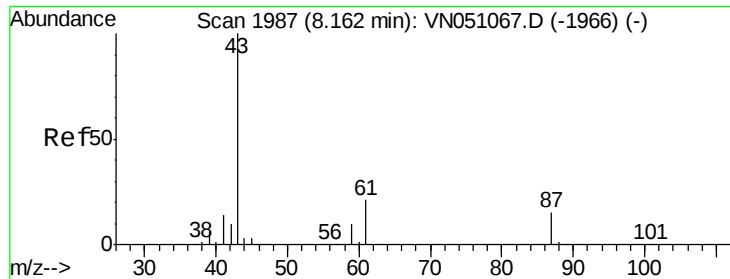
MMDadoda
9/12/2018 10:06:41 AM



#42
1,2-Dichloroethane
Concen: 19.48 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.51 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

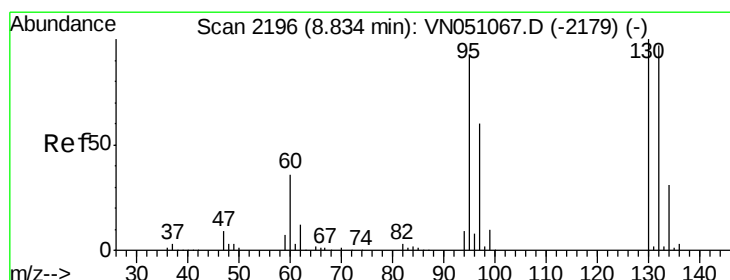
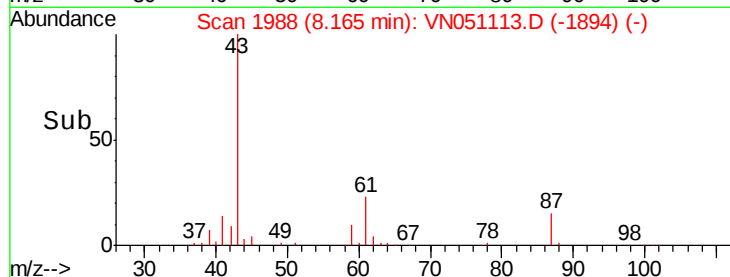
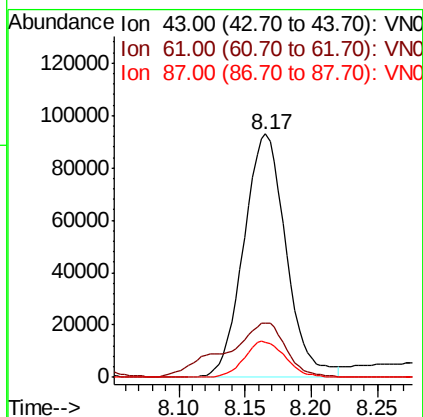
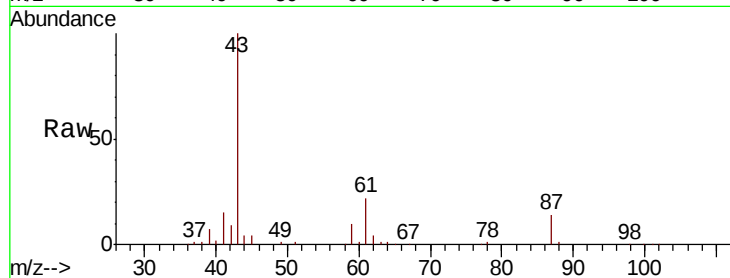
ClientSampleId :

VN0911WBS01

Tot Ion:	43	Resp:	206492
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.0	37.6
87	14.5	11.8	17.8

Manual Integrations
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9/12/2018 10:06:41 AM



#44

Trichloroethene

Concen: 18.87 ug/l

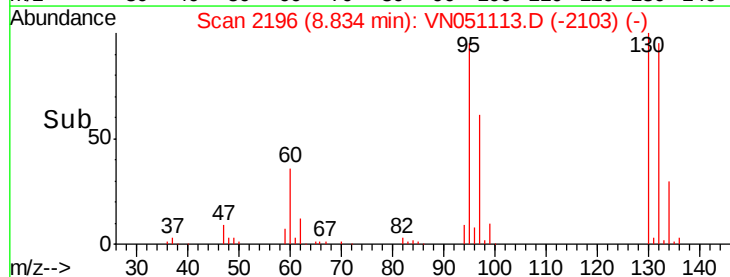
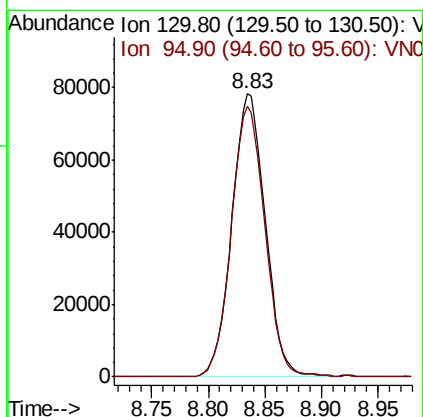
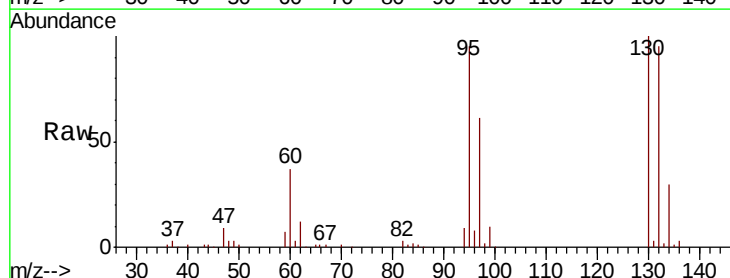
RT: 8.83 min Scan# 2196

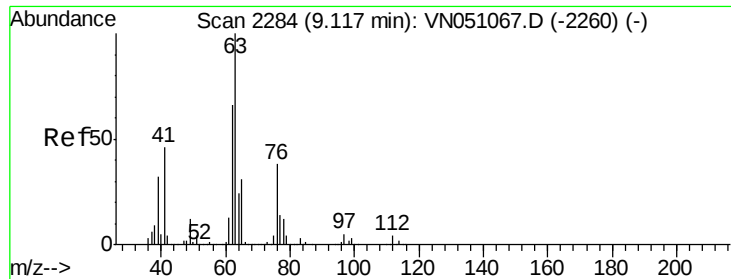
Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Tgt Ion:	130	Resp:	161049
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	186.2





#45

1,2-Dichloropropane

Concen: 19.62 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion: 63 Resp: 158222

Ion Ratio Lower Upper

63 100

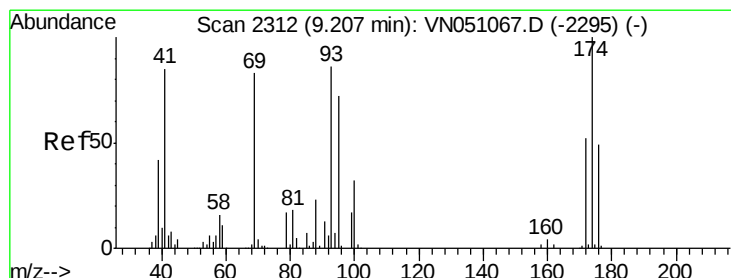
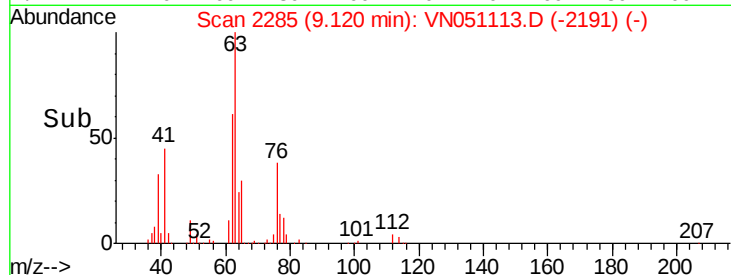
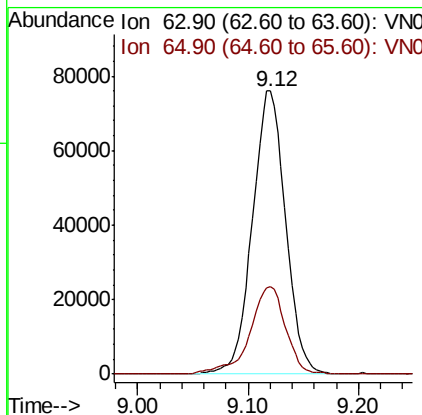
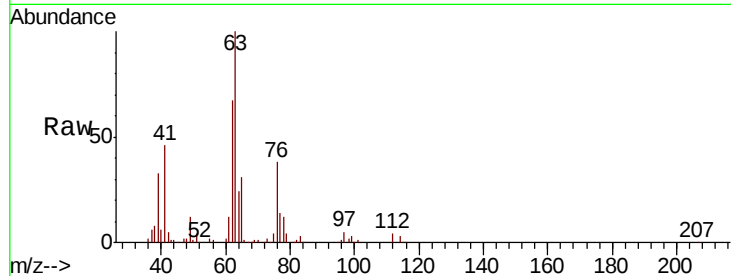
65 30.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:06:41 AM



#46

Dibromomethane

Concen: 18.68 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

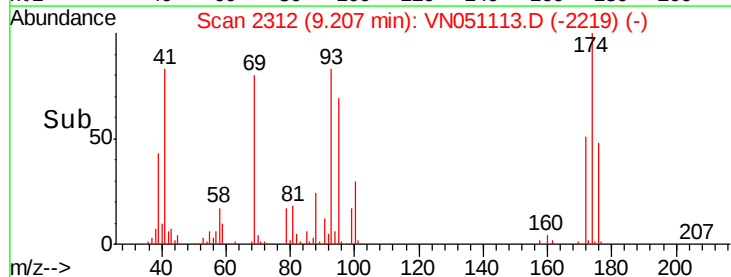
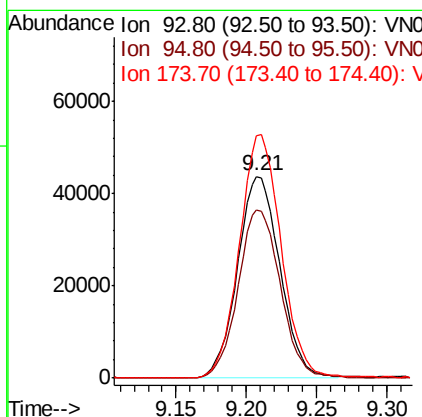
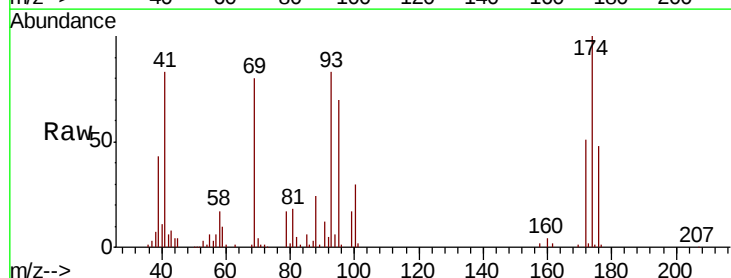
Tgt Ion: 93 Resp: 91893

Ion Ratio Lower Upper

93 100

95 83.3 66.8 100.2

174 118.9 93.3 139.9





#47

Bromodichloromethane

Concen: 19.29 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

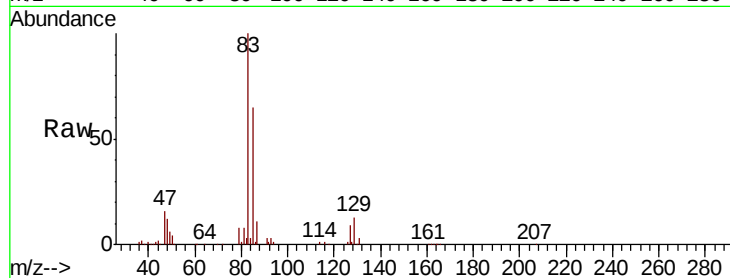
ClientSampleId :

VN0911WBS01

Tot Ion:	83	Resp:	192926
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.3	78.5
127	9.3	7.5	11.3

Manual Integrations
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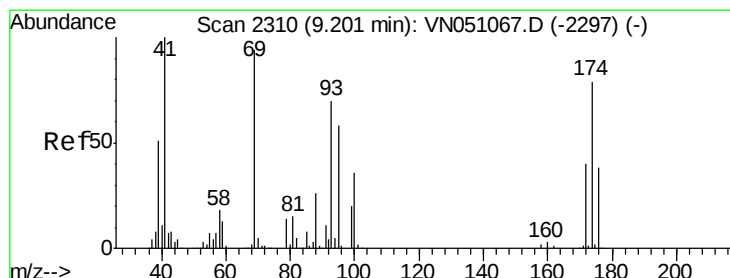
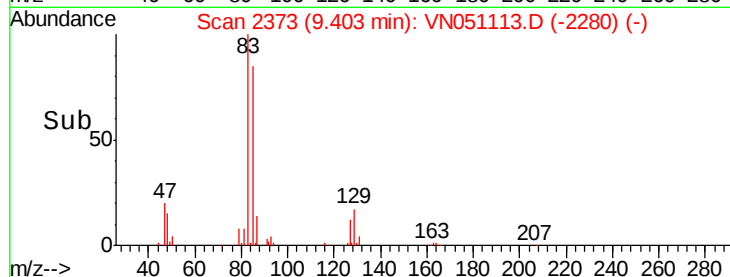
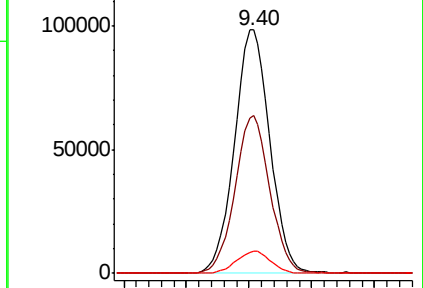
MMDadoda
9/12/2018 10:06:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051113.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051113.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051113.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.31 ug/l

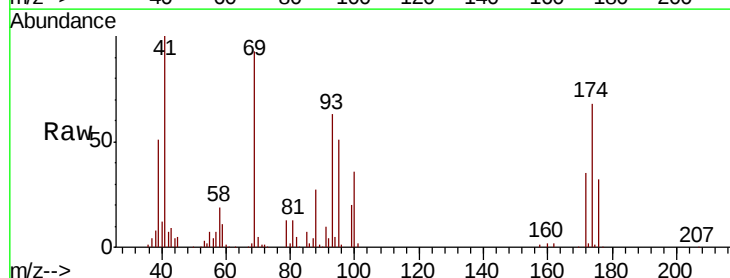
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

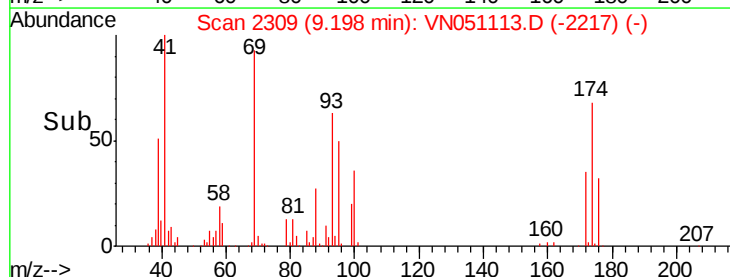
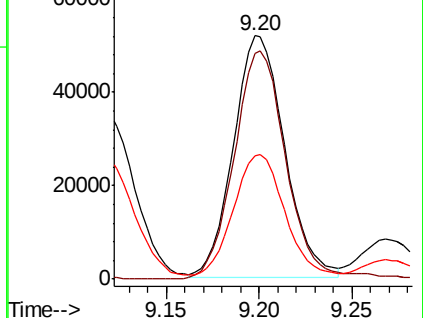
Tgt Ion:	41	Resp:	99588
Ion Ratio	Lower	Upper	
41	100		
69	96.6	77.7	116.5
39	52.0	41.6	62.4

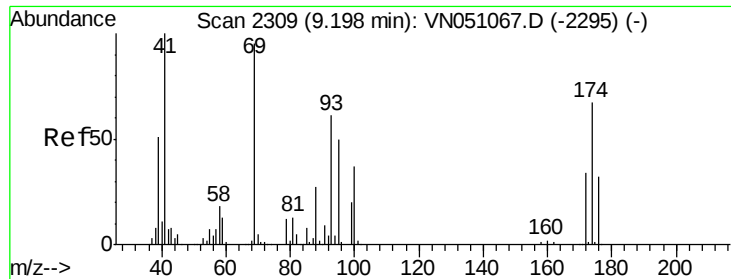


Abundance Ion 41.00 (40.70 to 41.70): VN051113.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051113.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051113.D (-2217) (-)





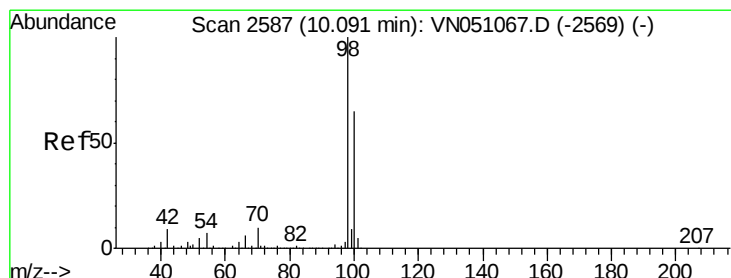
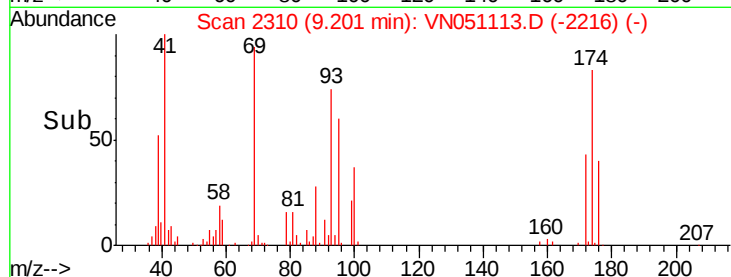
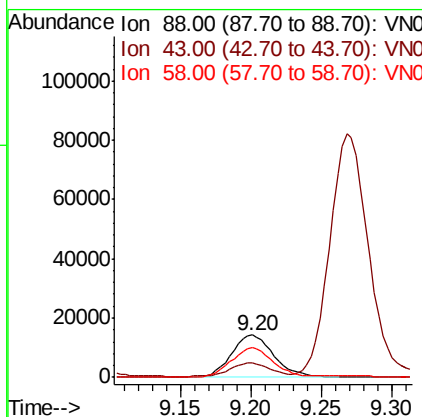
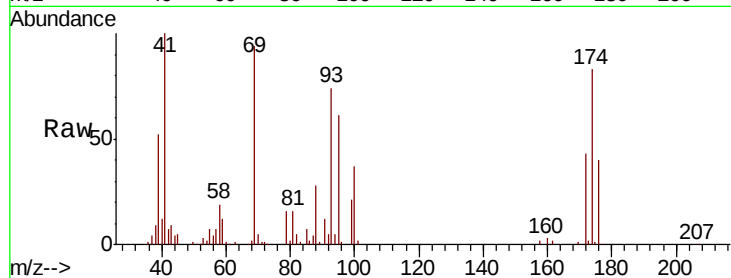
#49
1,4-Dioxane
Concen: 372.48 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion	88	Resp	30121
Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.7	35.5
58	69.4	54.6	82.0

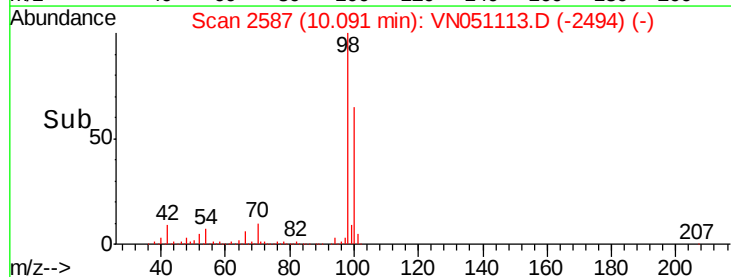
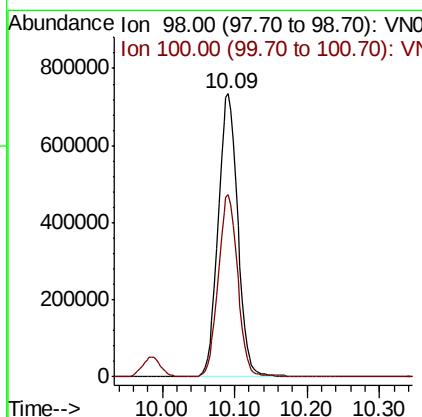
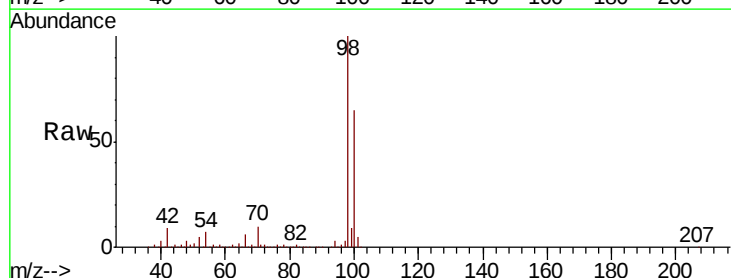
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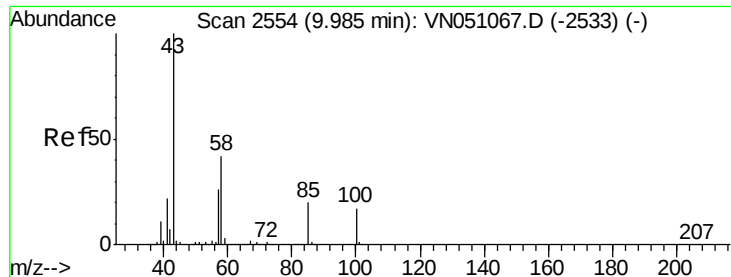
MMDadoda
9/12/2018 10:06:41 AM



#50
Toluene-d8
Concen: 51.12 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	98	Resp	1374907
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





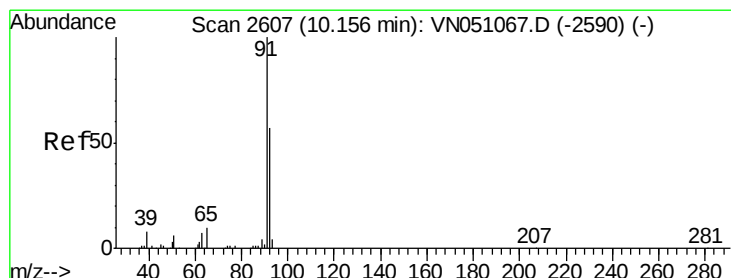
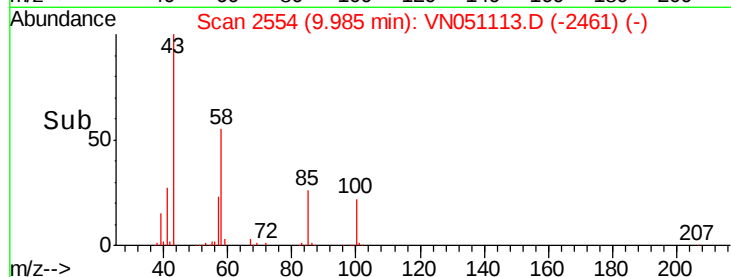
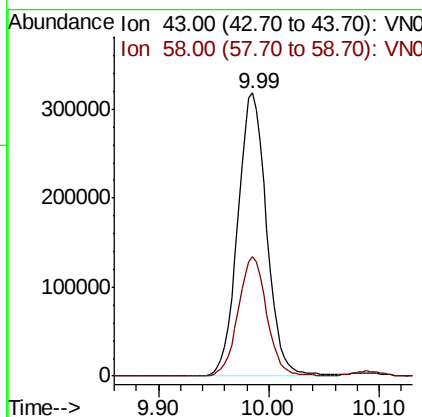
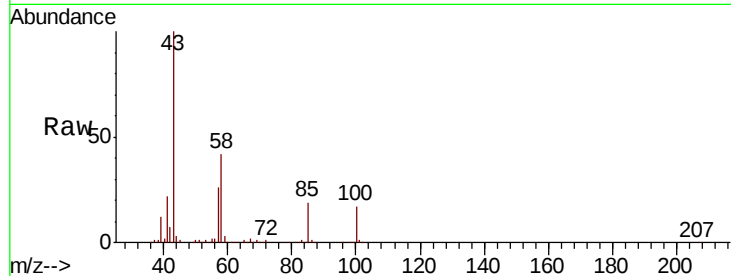
#51
4-Methyl-2-Pentanone
Concen: 98.33 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	43	Resp	575412
Ion Ratio	100	Lower	Upper
43	100		
58	41.9	33.5	50.3

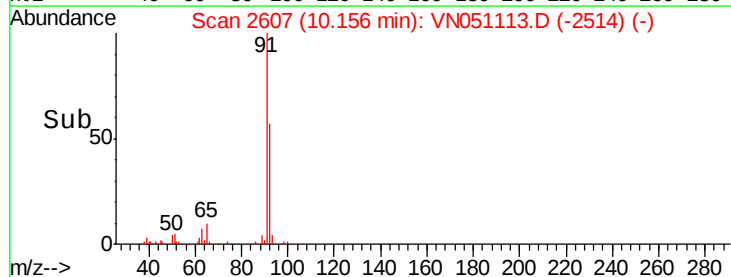
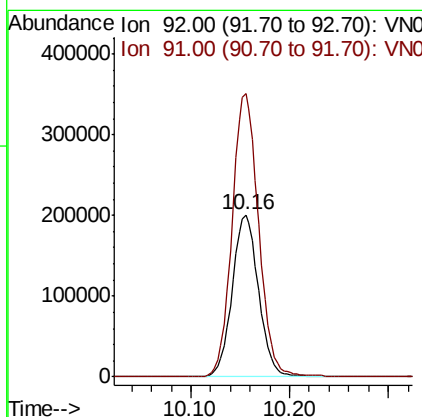
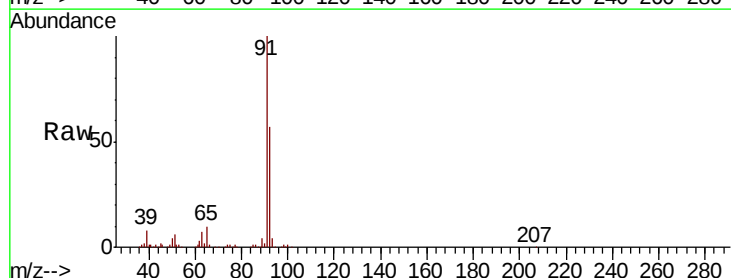
Manual Integrations
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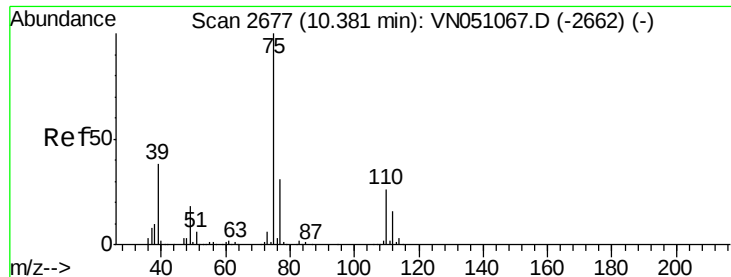
MMDadoda
9/12/2018 10:06:41 AM



#52
Toluene
Concen: 19.64 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	92	Resp	373660
Ion Ratio	100	Lower	Upper
92	100		
91	175.6	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 18.97 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS01

Tot Ion: 75 Resp: 189882

Ion Ratio Lower Upper

75 100

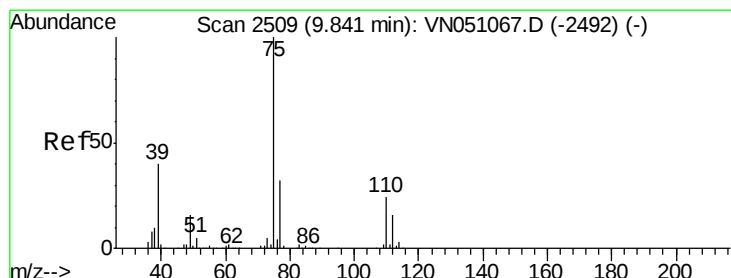
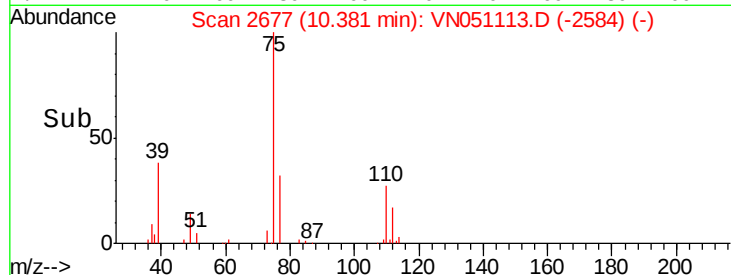
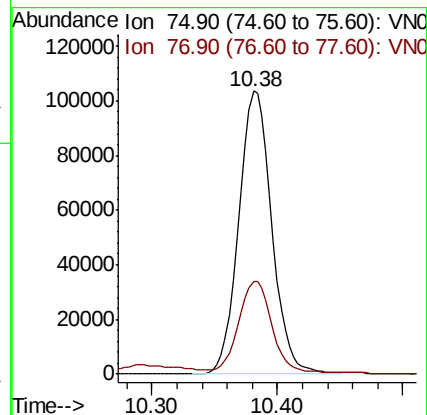
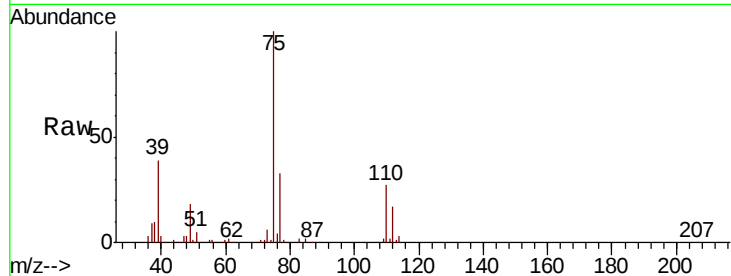
77 32.2 25.3 37.9

Manual Integrations

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MMDadoda

9/12/2018 10:06:41 AM



#54

cis-1,3-Dichloropropene

Concen: 19.52 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

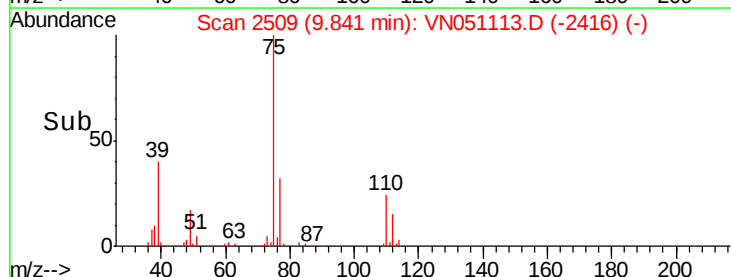
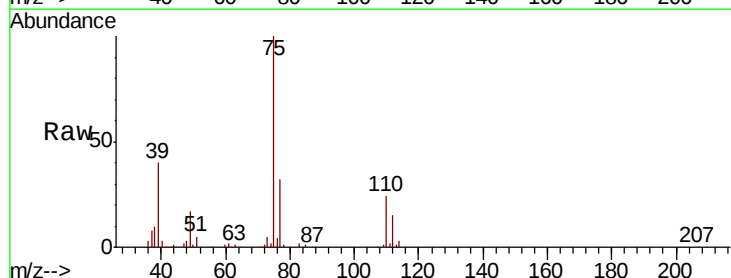
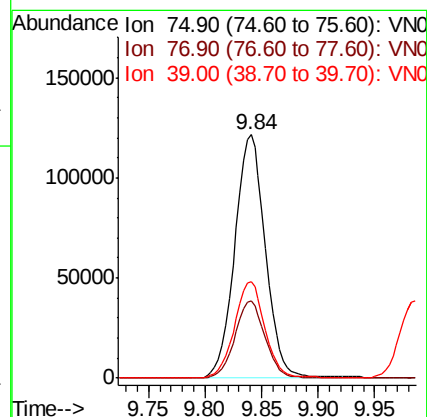
Tgt Ion: 75 Resp: 229178

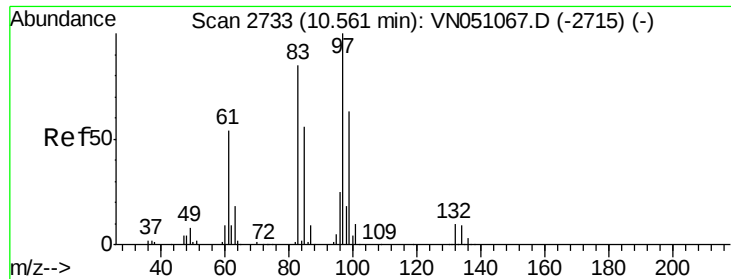
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 39.7 31.9 47.9





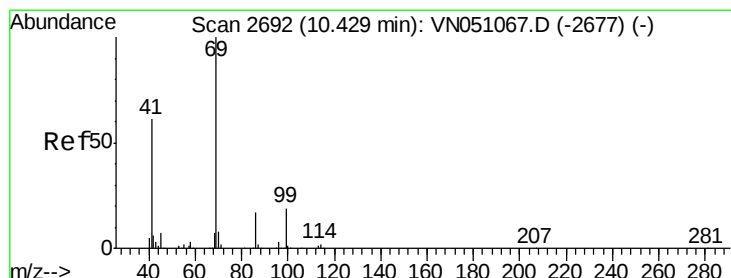
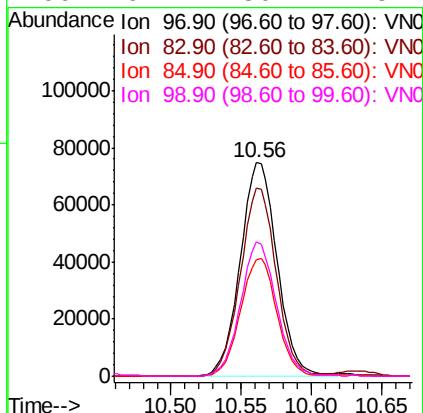
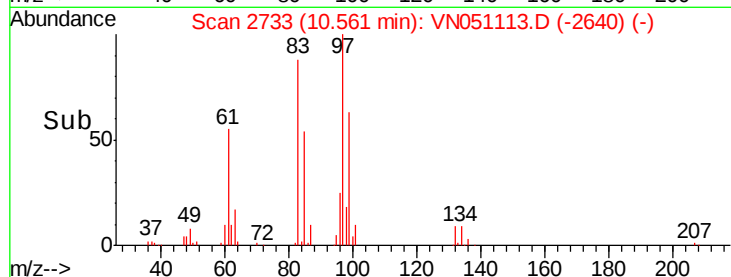
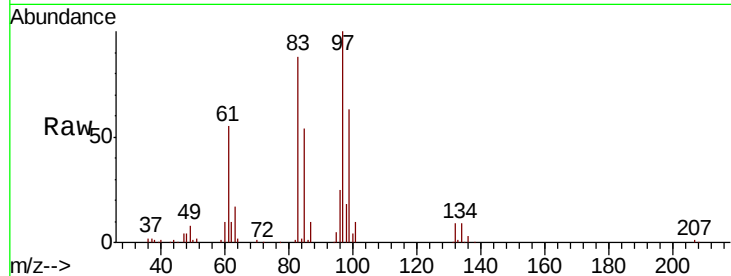
#55
 1,1,2-Trichloroethane
 Concen: 19.85 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS01

Tot Ion:	97	Resp:	137190
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.2
85	54.4	44.8	67.2
99	62.7	50.2	75.4

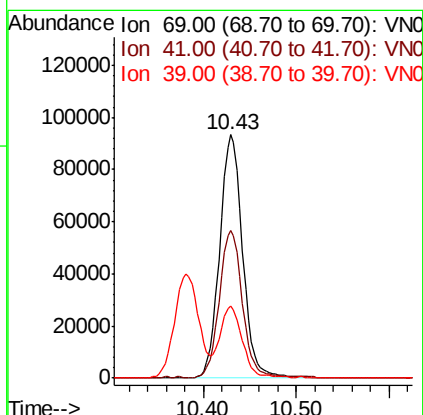
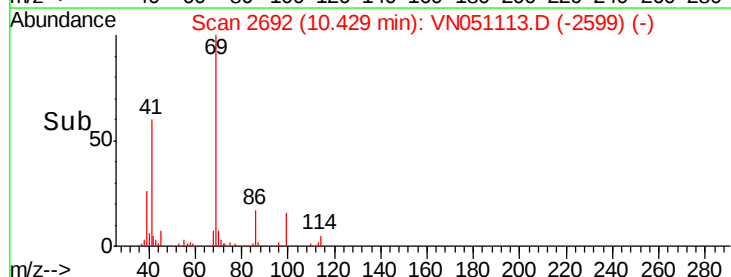
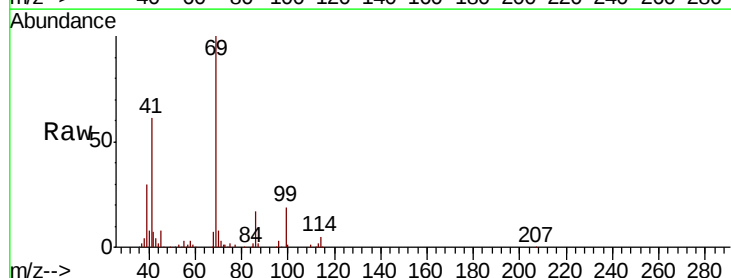
Manual Integrations
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 9/12/2018 10:06:41 AM



#56
 Ethyl methacrylate
 Concen: 18.90 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion:	69	Resp:	160452
Ion	Ratio	Lower	Upper
69	100		
41	60.3	47.8	71.8
39	29.0	23.0	34.4





#57

1,3-Dichloropropane

Concen: 19.62 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion: 76 Resp: 224816

Ion Ratio Lower Upper

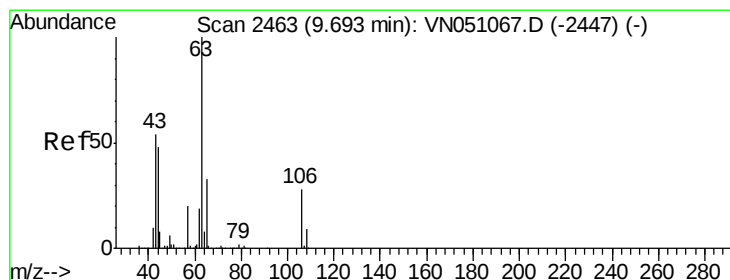
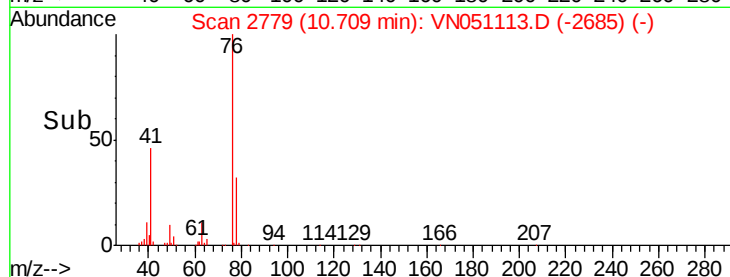
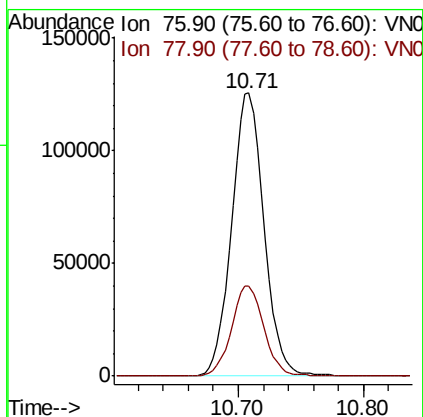
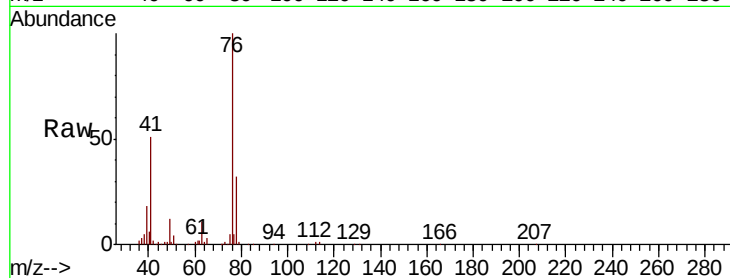
76 100

78 32.1 26.1 39.1

Manual Integrations
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MMDadoda

9/12/2018 10:06:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.13 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051113.D

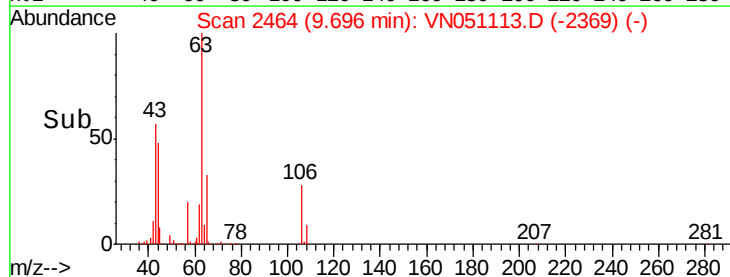
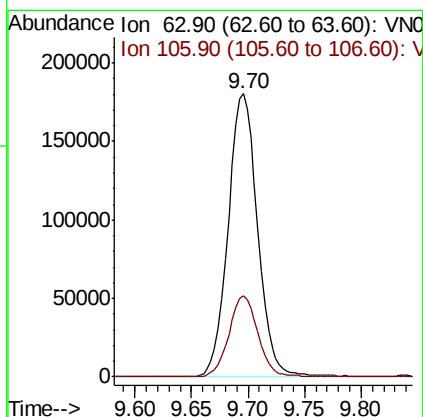
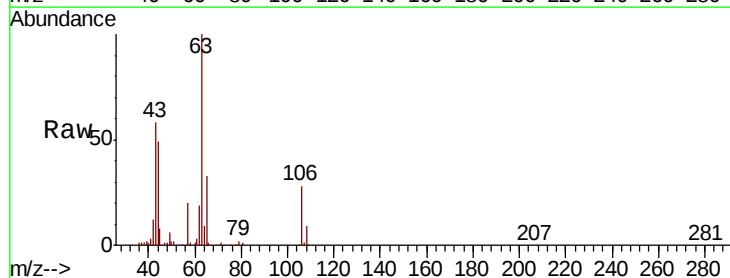
Acq: 11 Sep 2018 9:27

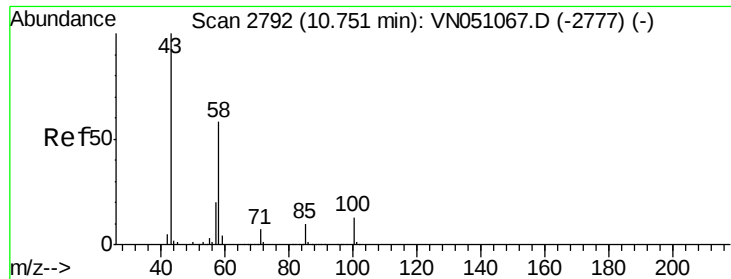
Tgt Ion: 63 Resp: 327619

Ion Ratio Lower Upper

63 100

106 28.0 22.5 33.7





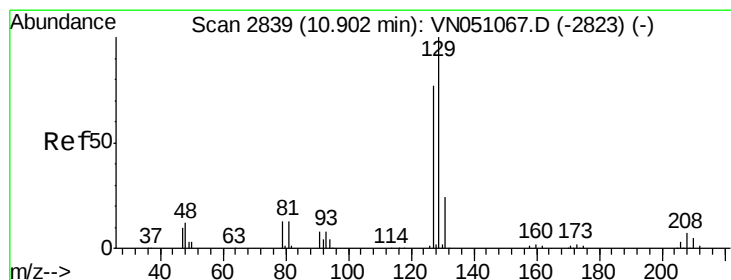
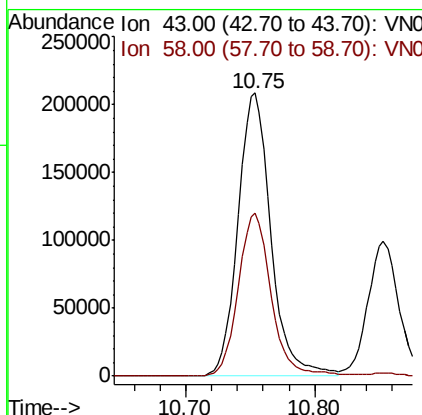
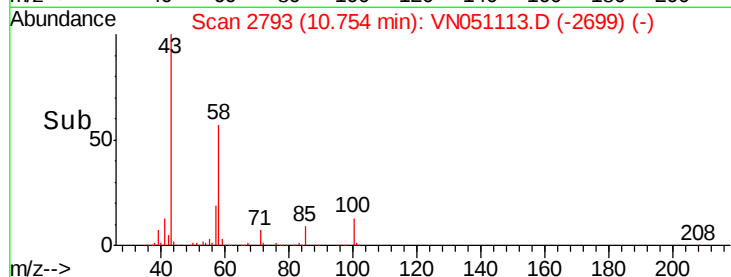
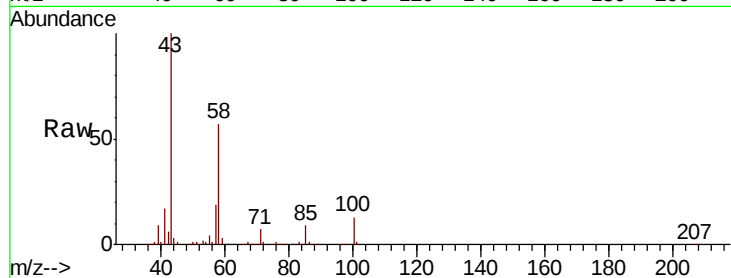
#59
2-Hexanone
Concen: 93.19 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion: 43 Resp: 369829
Ion Ratio Lower Upper
43 100
58 57.7 29.3 88.0

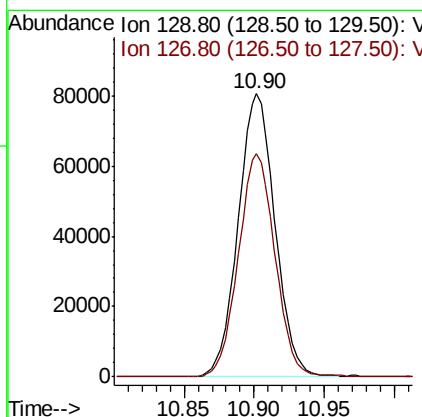
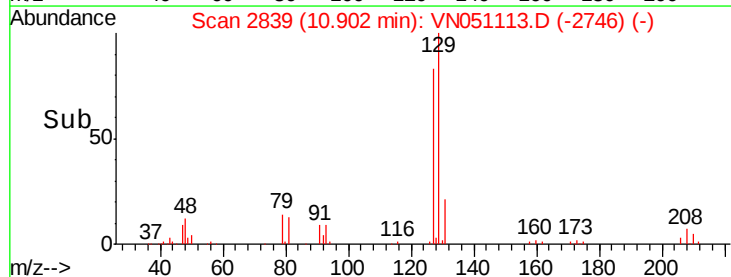
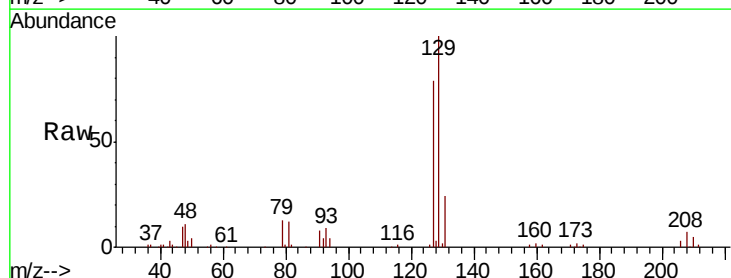
Manual Integrations
APPROVED

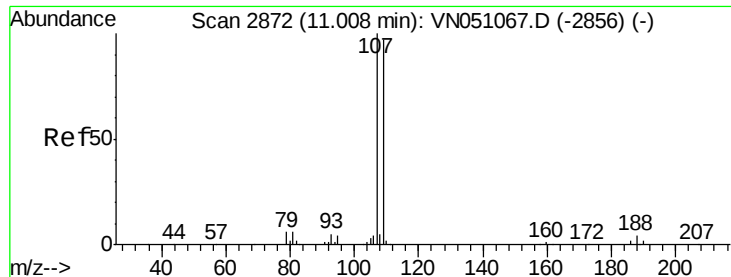
MMDadoda
9/12/2018 10:06:41 AM



#60
Dibromochloromethane
Concen: 18.93 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion: 129 Resp: 147491
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





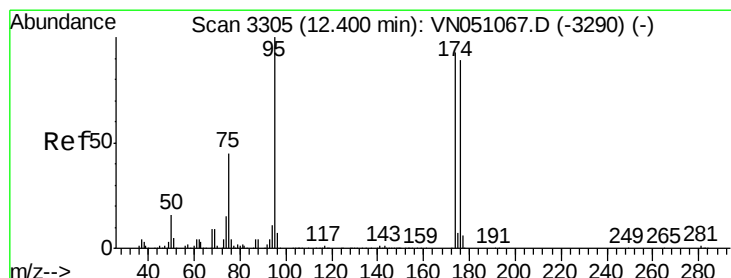
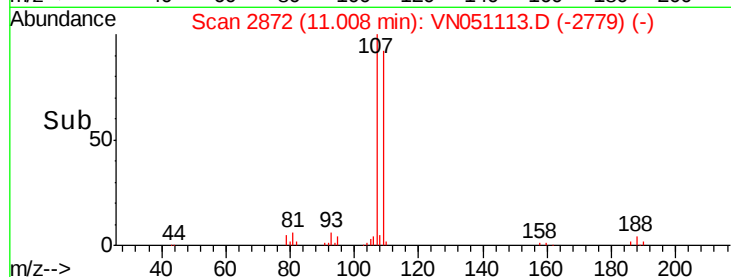
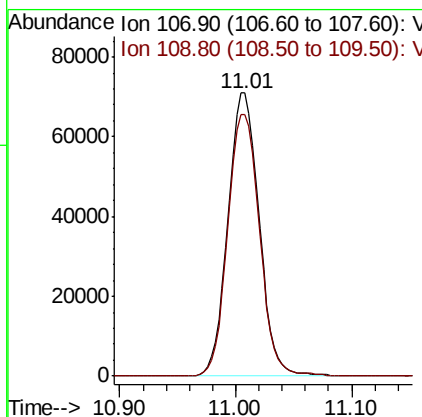
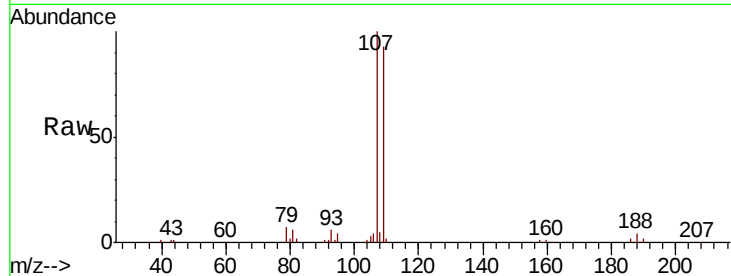
#61
 1,2-Dibromoethane
 Concen: 19.48 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.0	114.0

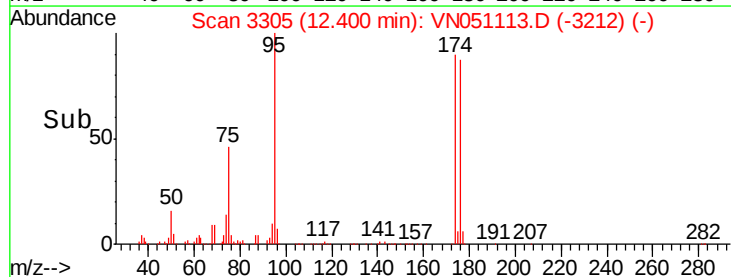
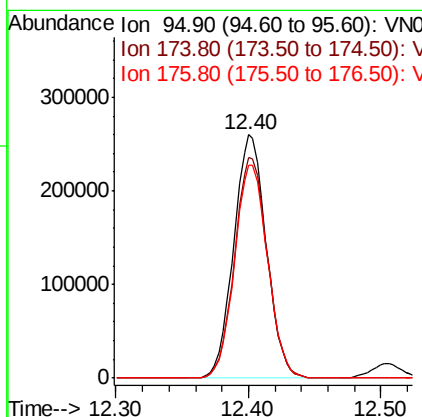
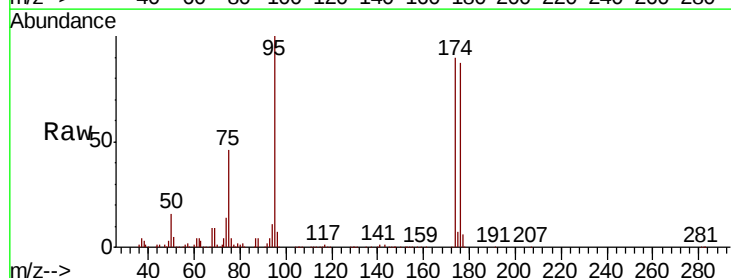
Manual Integrations
 APPROVED

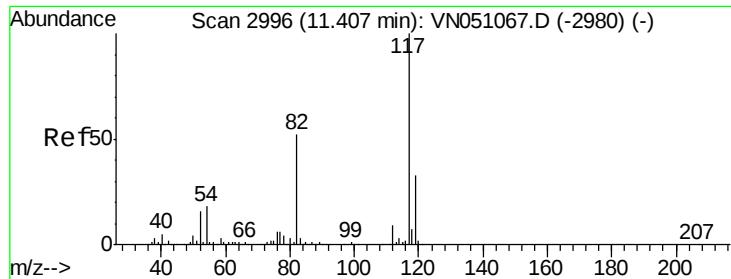
MMDadoda
 9/12/2018 10:06:41 AM



#62
 4-Bromofluorobenzene
 Concen: 49.84 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	184.8
176	88.9	0.0	178.6





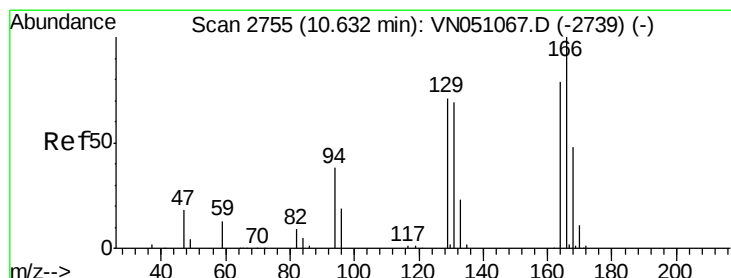
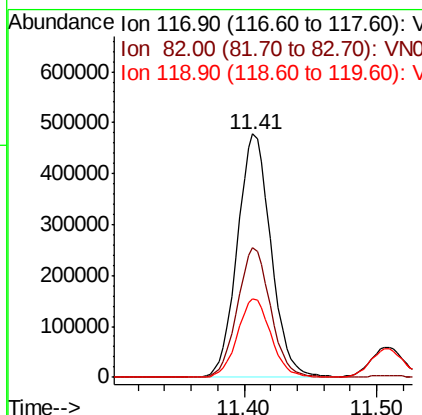
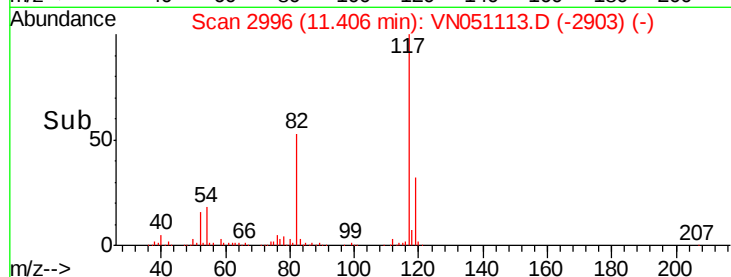
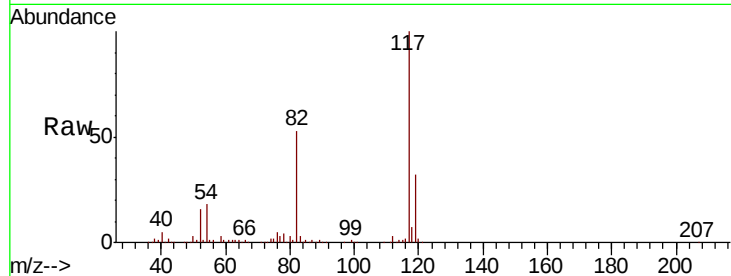
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.6
119	32.2	26.2	39.2

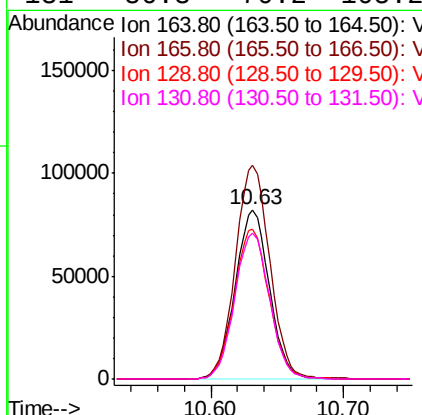
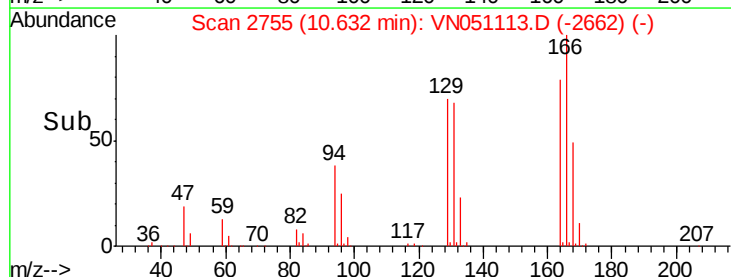
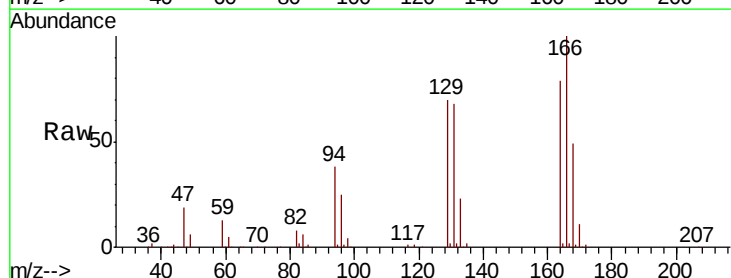
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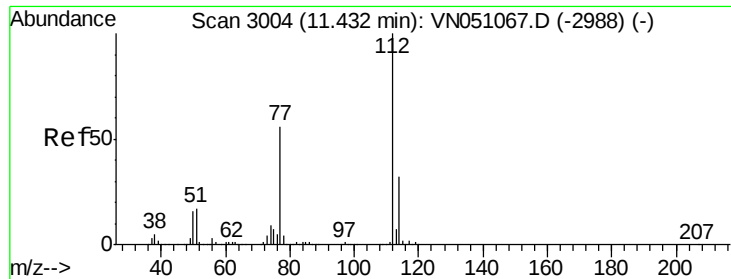
MMDadoda
9/12/2018 10:06:41 AM



#64
Tetrachloroethene
Concen: 19.25 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.3	151.9
129	88.7	72.2	108.2
131	86.3	70.2	105.2





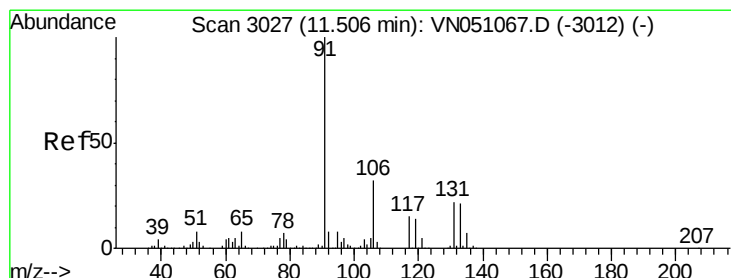
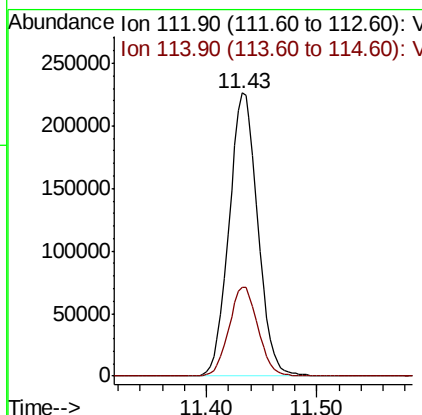
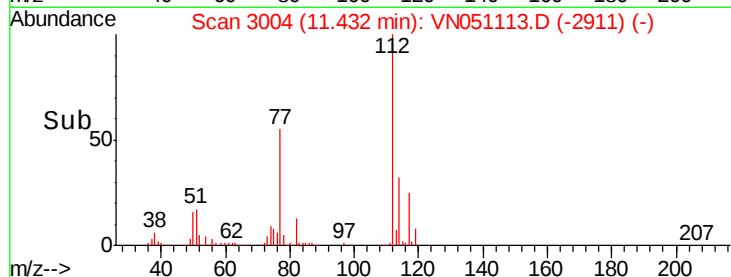
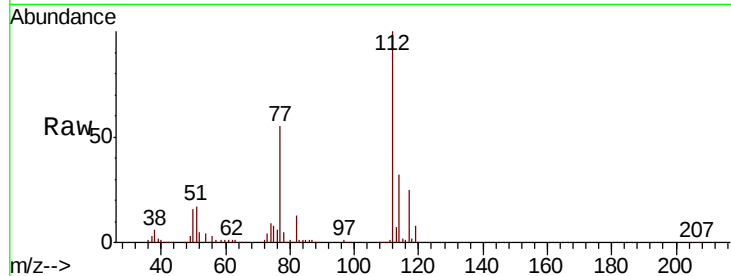
#65
Chlorobenzene
Concen: 19.31 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	408717		
114	31.6	25.8	38.6	

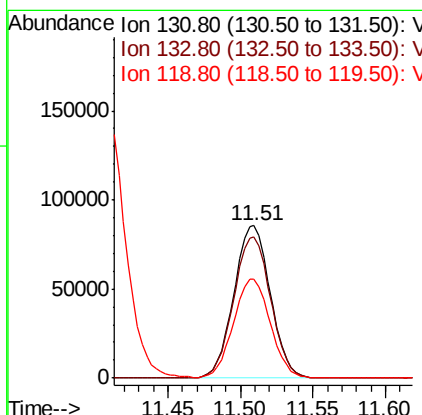
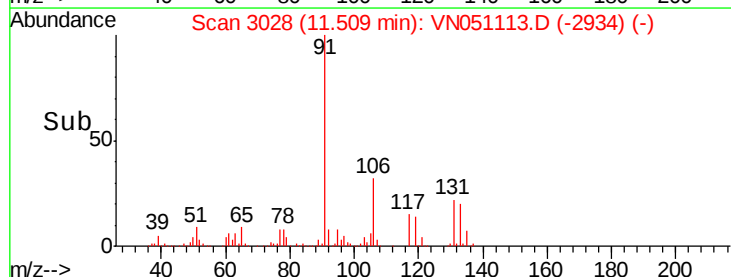
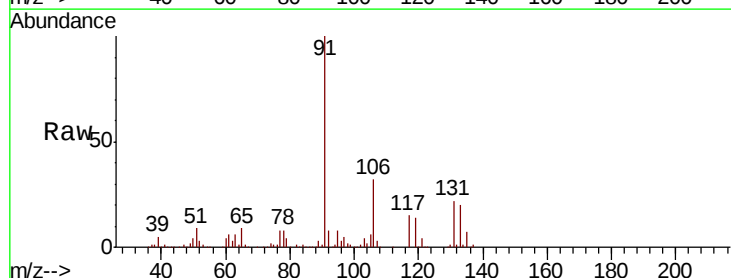
Manual Integrations
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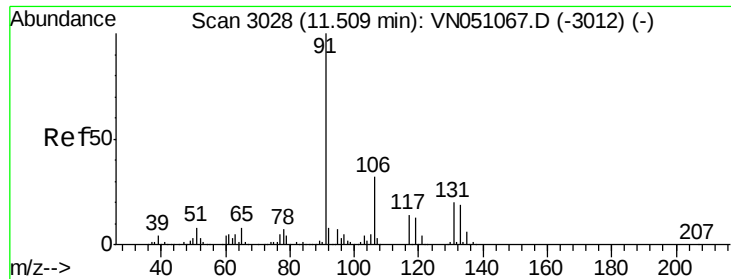
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	149706		
133	94.3	47.5	142.6	
119	65.8	33.2	99.6	





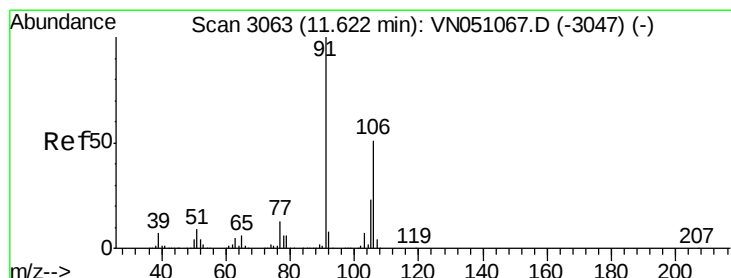
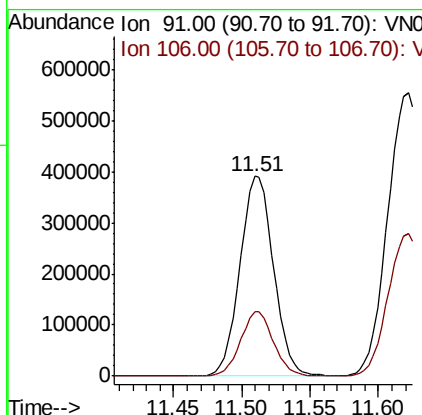
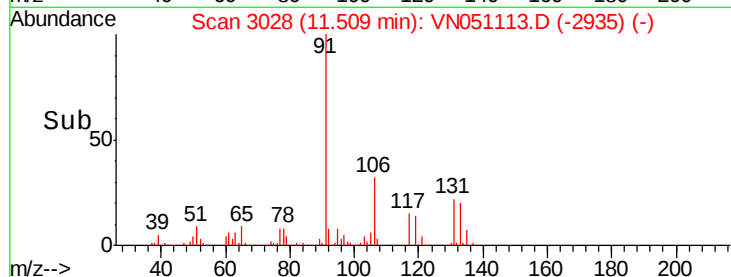
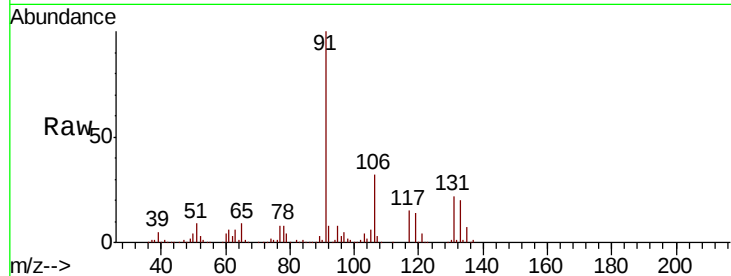
#67
Ethyl Benzene
Concen: 19.53 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion: 91 Resp: 669732
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

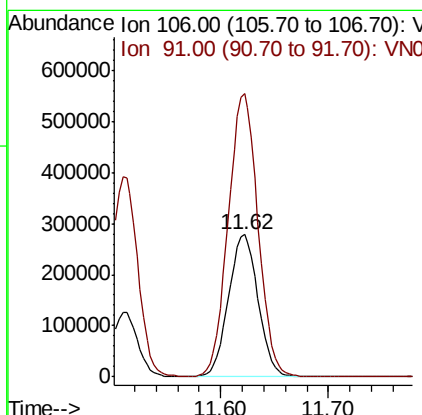
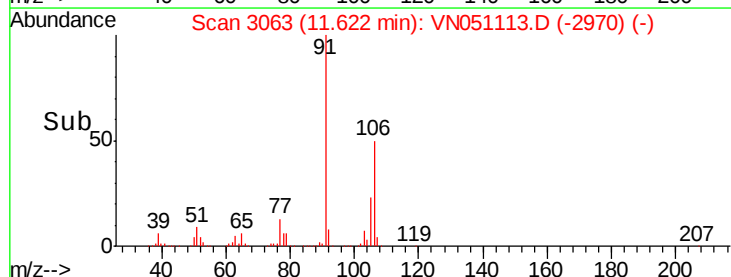
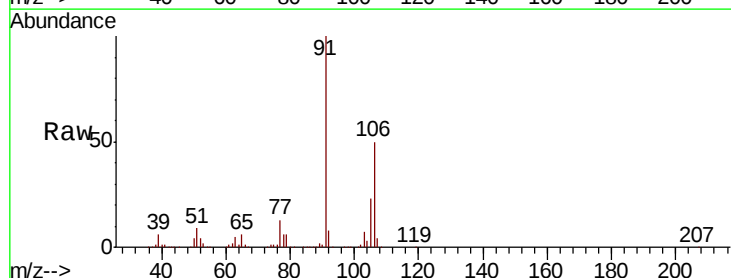
Manual Integrations
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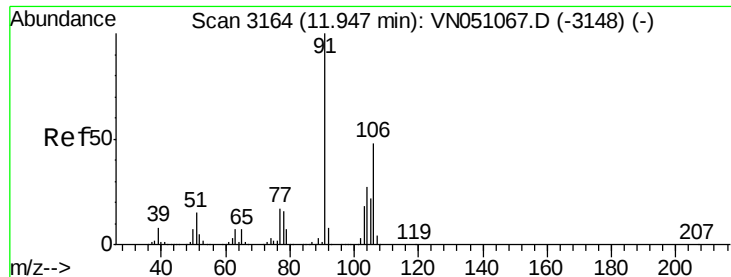
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#68
m/p-Xylenes
Concen: 40.46 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion: 106 Resp: 533046
Ion Ratio Lower Upper
106 100
91 199.9 159.8 239.6





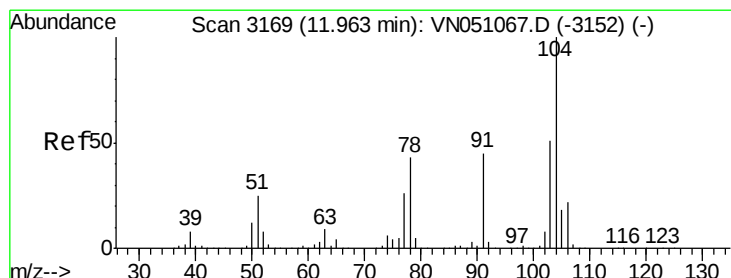
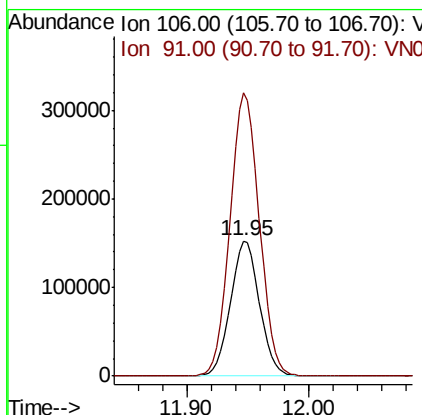
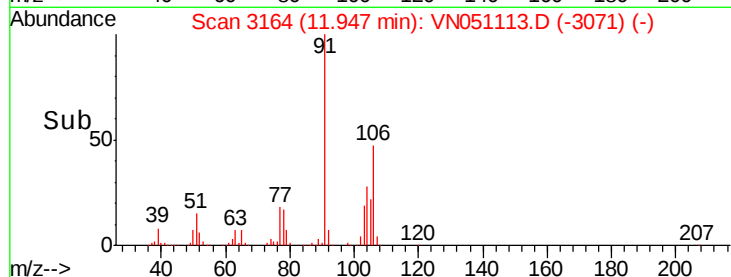
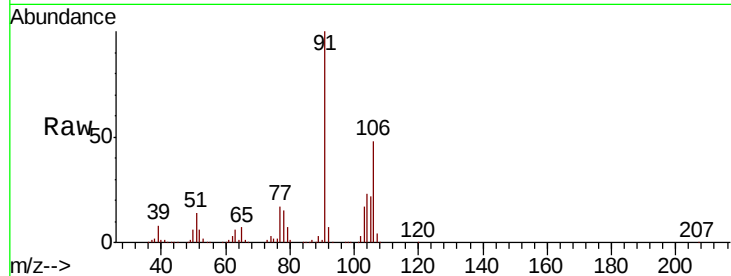
#69
o-Xylene
Concen: 19.81 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	252745		
91	91	211.3	105.1	315.1	

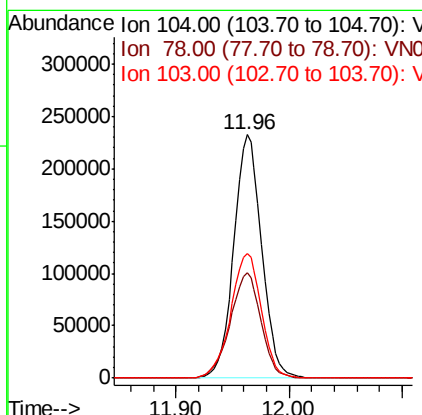
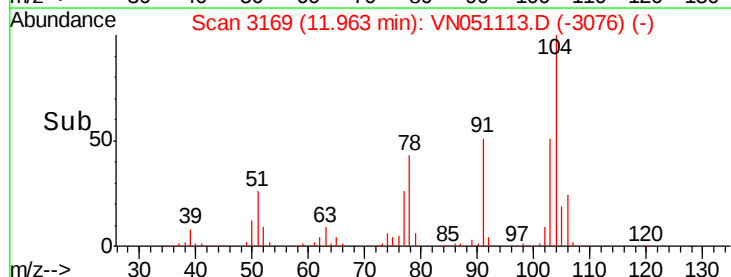
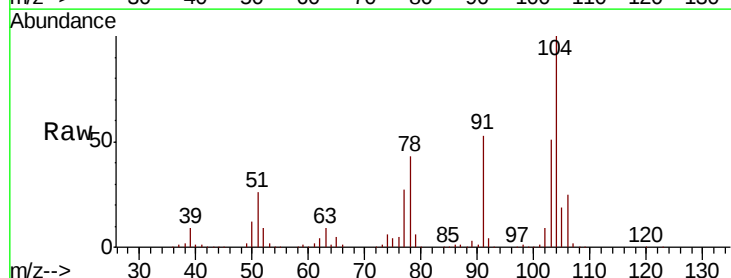
Manual Integrations
APPROVED

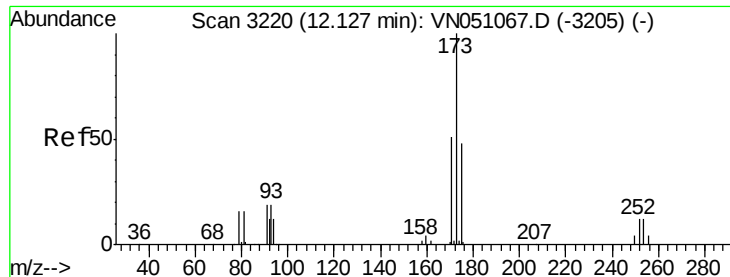
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#70
Styrene
Concen: 20.17 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	399083		
78	78	47.7	37.7	56.5	
103	103	56.2	44.6	67.0	





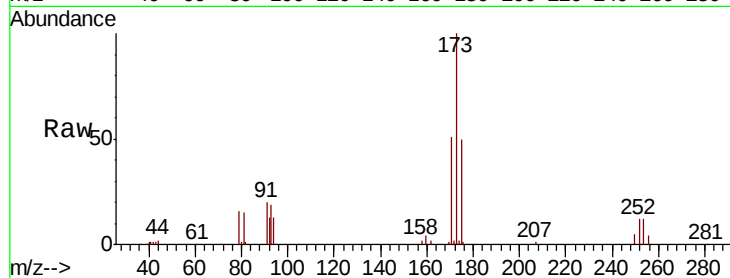
#71
Bromoform
Concen: 19.24 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.9
254	0.0	0.0	0.0

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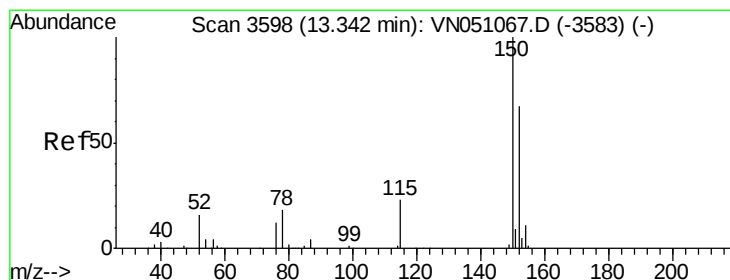
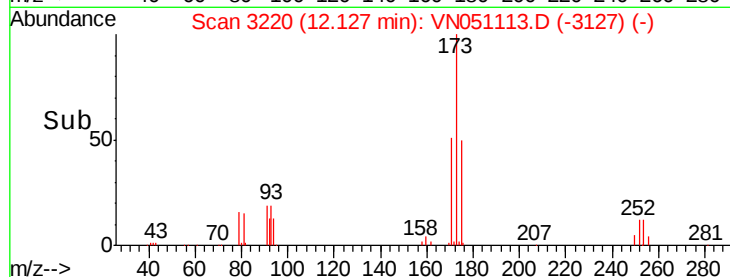
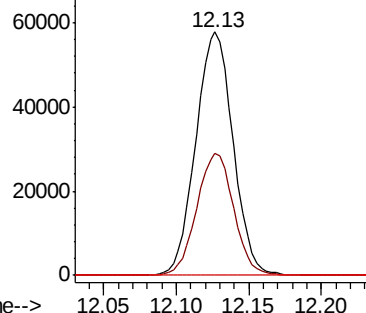


Abundance

Ion 172.70 (172.40 to 173.40): V

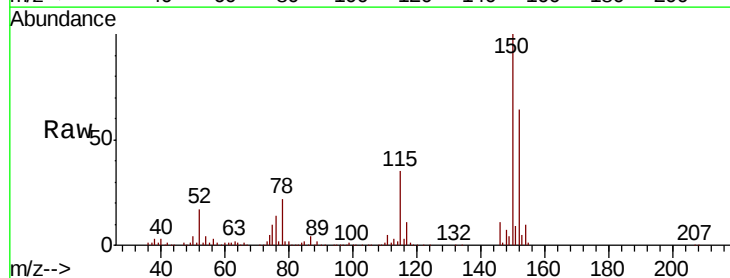
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	161.9	0.0	349.0

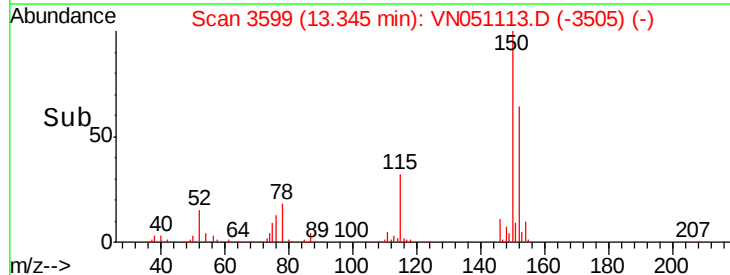
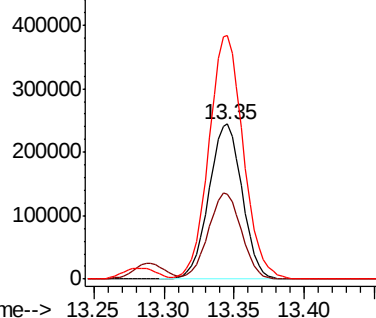


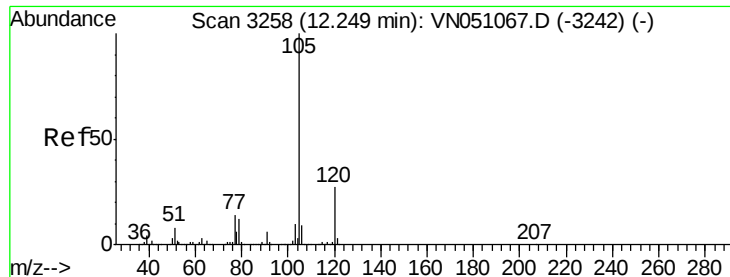
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.83 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion: 105 Resp: 672507

Ion Ratio Lower Upper

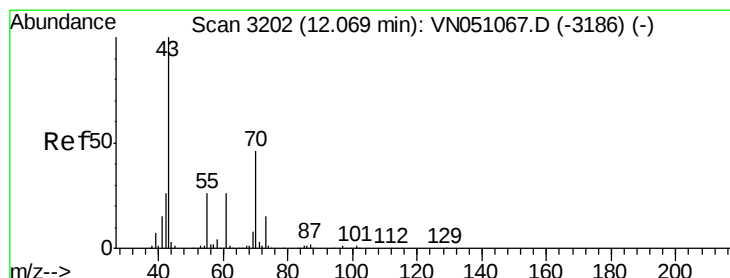
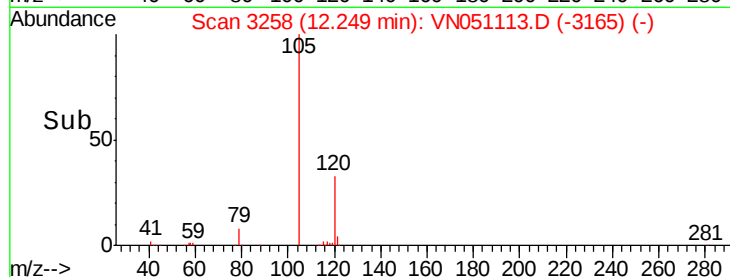
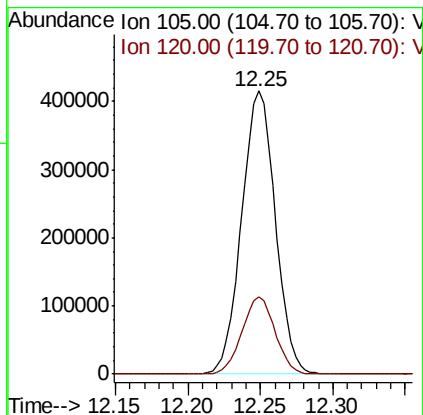
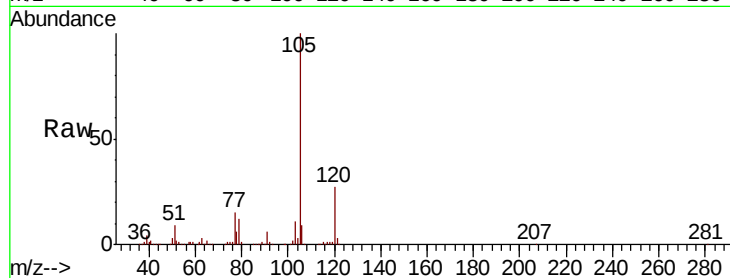
105 100

120 26.9 13.6 40.7

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#74

N-ethyl acetate

Concen: 18.05 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Tgt Ion: 43 Resp: 154069

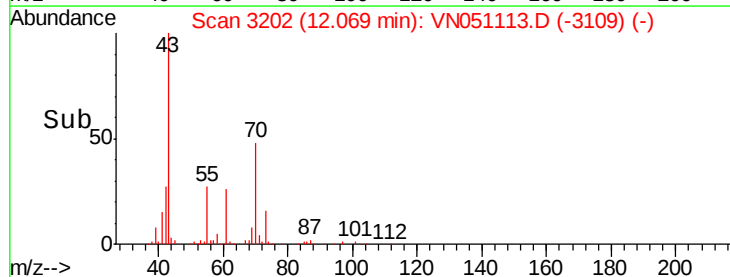
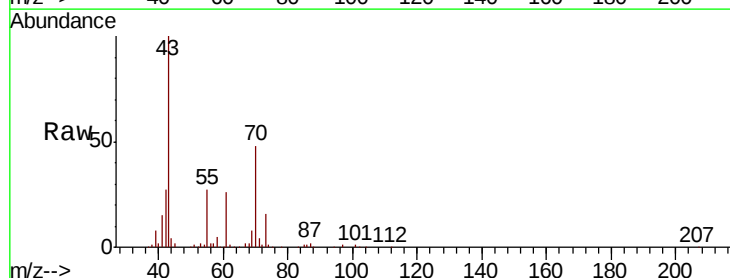
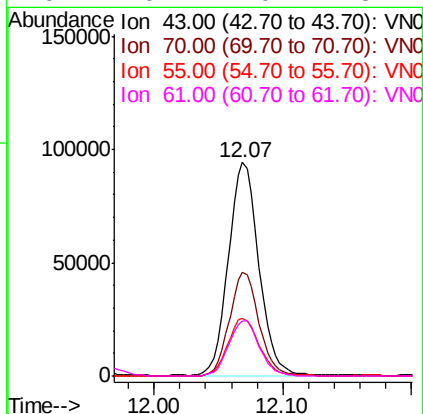
Ion Ratio Lower Upper

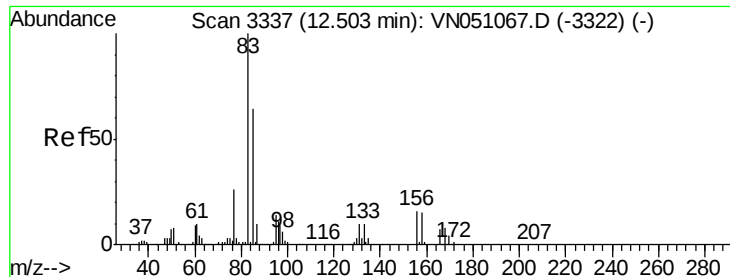
43 100

70 47.2 37.0 55.4

55 28.2 21.3 31.9

61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.59 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

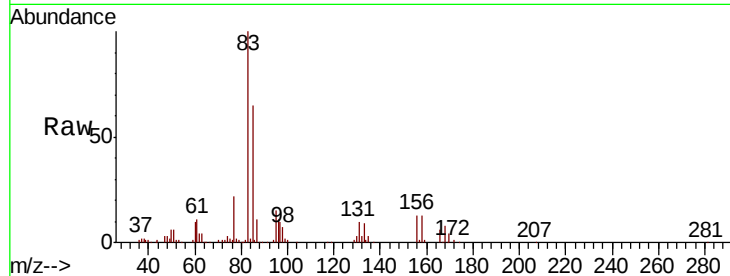
ClientSampleId :

VN0911WBS01

Tot Ion	83	Resp	167435
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	65.3	32.3	96.8

Manual Integrations
APPROVED

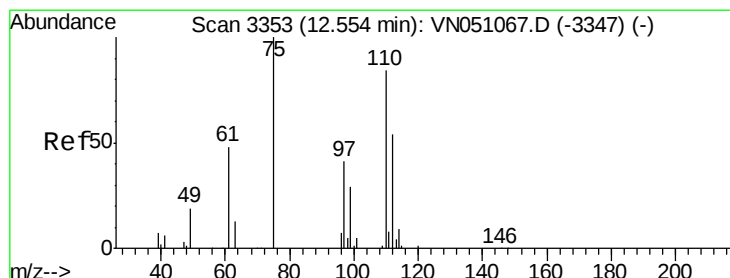
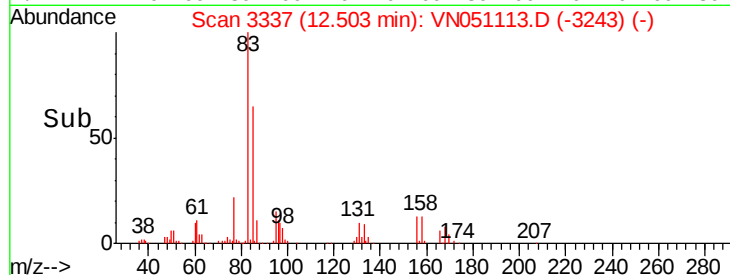
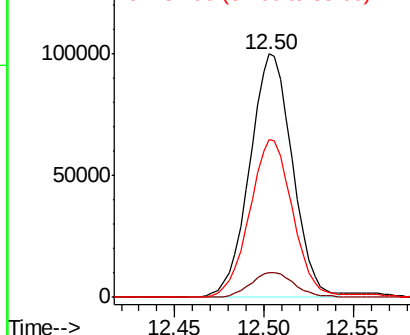
MMDadoda
9/12/2018 10:06:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051113.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051113.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051113.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 20.44 ug/l m

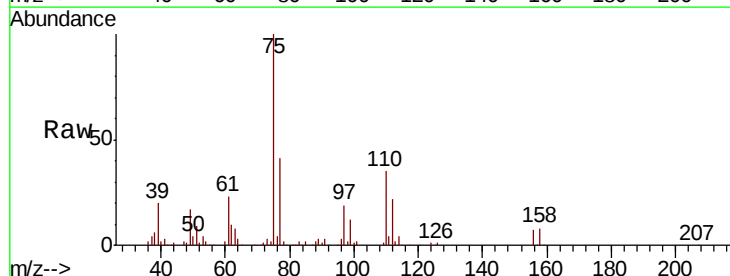
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051113.D

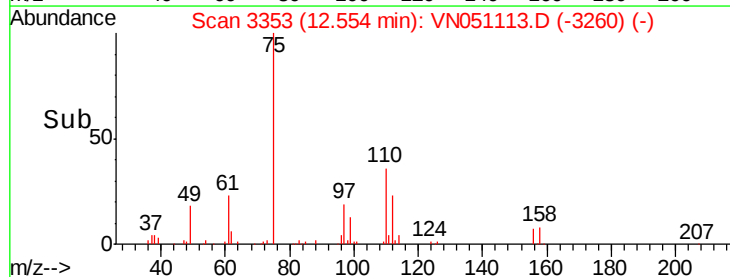
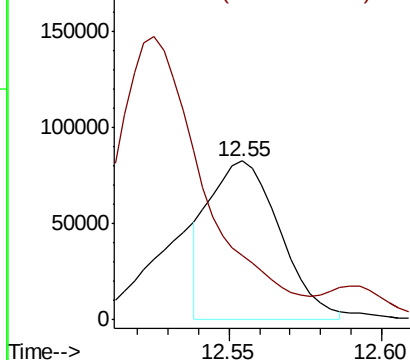
Acq: 11 Sep 2018 9:27

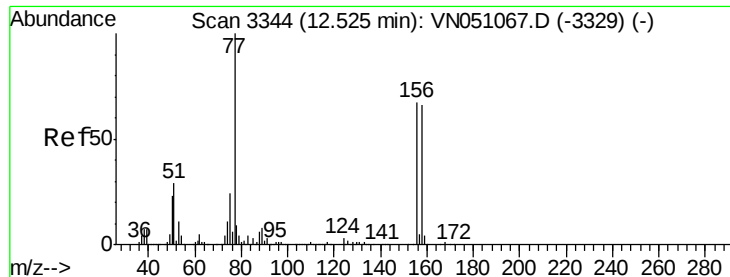
Tgt Ion	75	Resp	133616
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051113.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051113.D (-3260) (-)





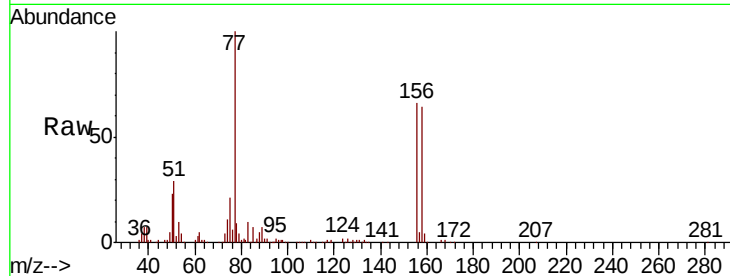
#77
Bromobenzene
Concen: 18.86 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.0	87.5	262.6
158	97.2	49.0	147.2

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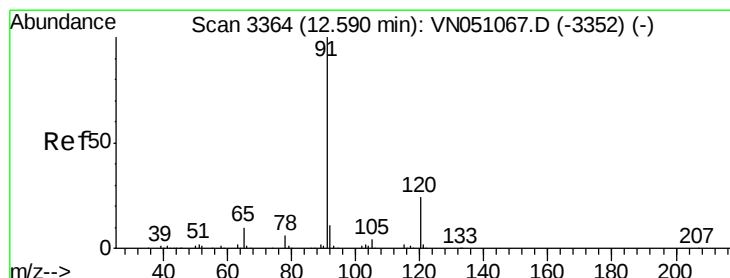
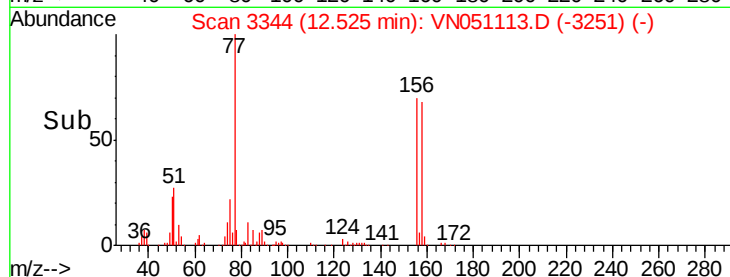
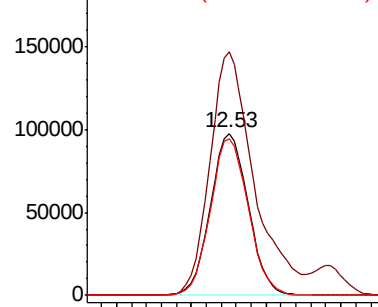


Abundance

Ion 155.80 (155.50 to 156.50): V

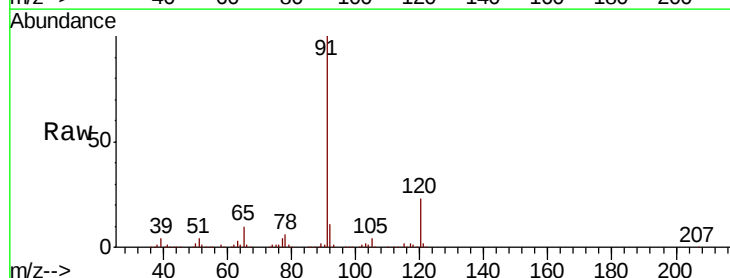
Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 19.86 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

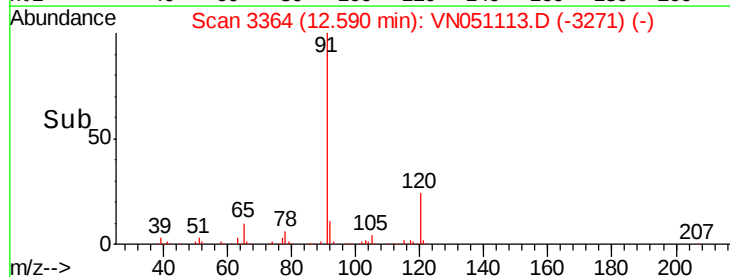
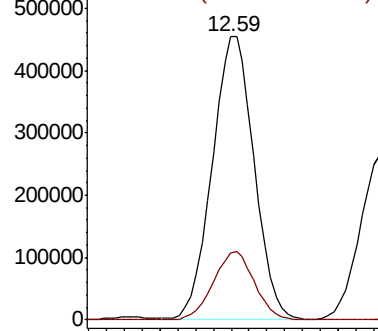
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0

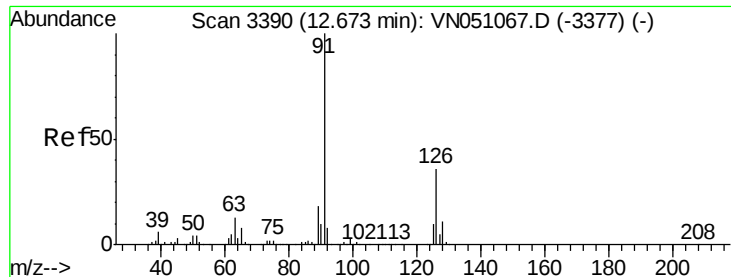


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.42 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS01

Tot Ion: 91 Resp: 452300

Ion Ratio Lower Upper

91 100

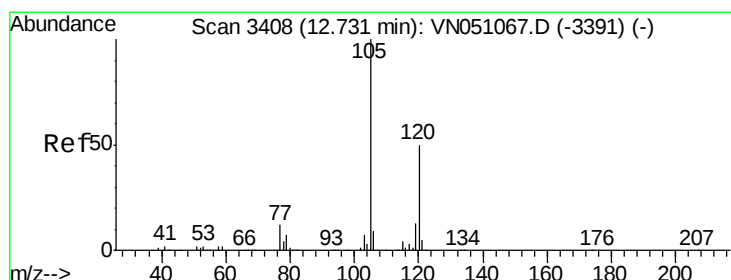
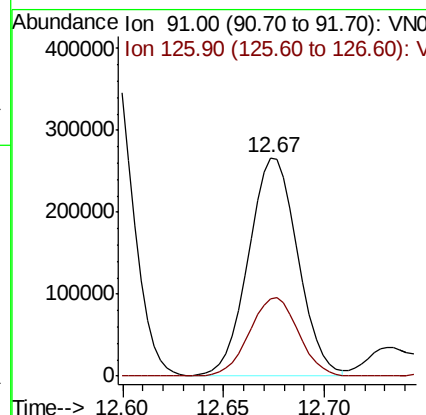
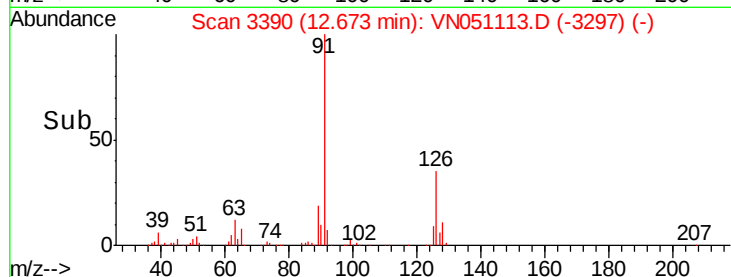
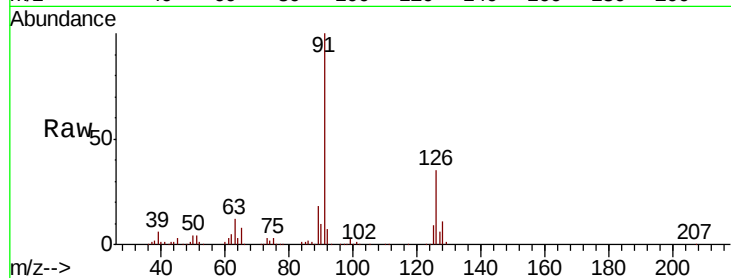
126 36.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.96 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051113.D

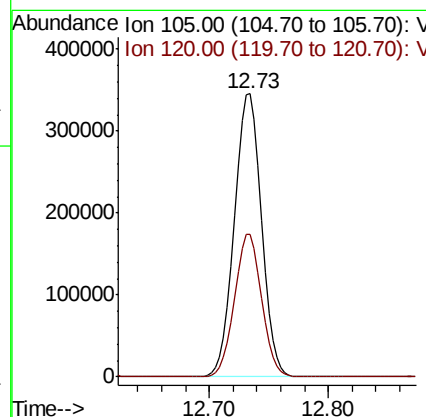
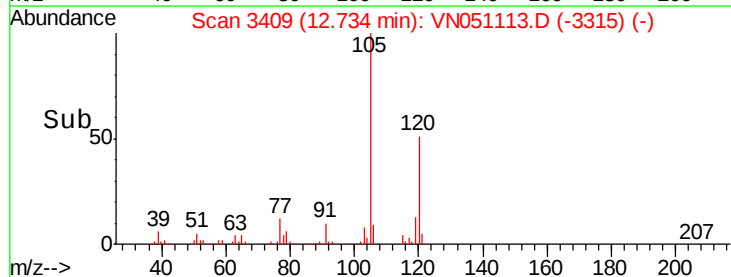
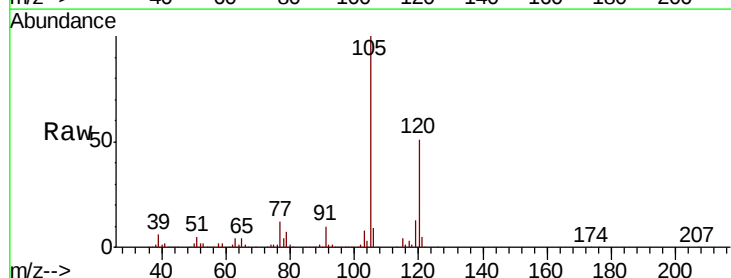
Acq: 11 Sep 2018 9:27

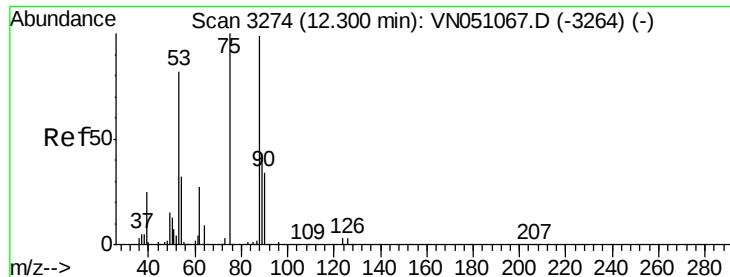
Tgt Ion: 105 Resp: 547098

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





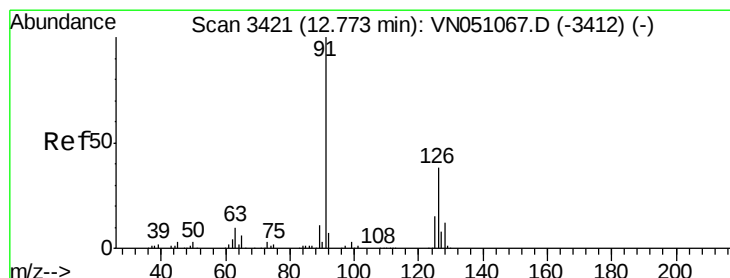
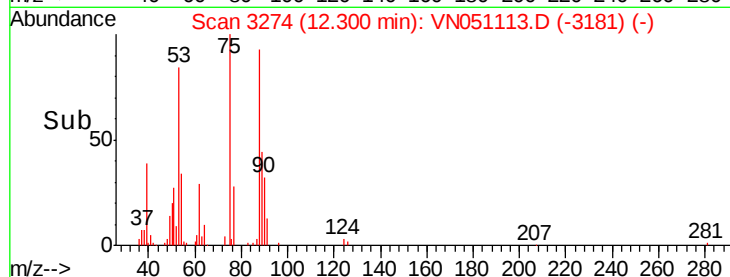
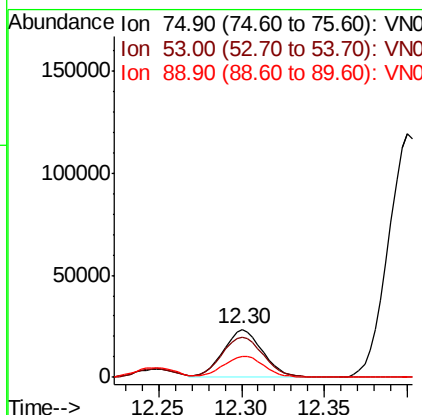
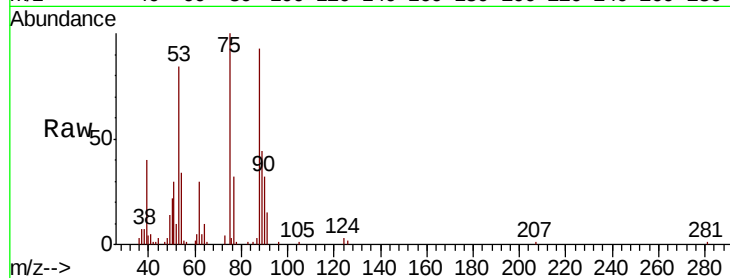
#81
trans-1,4-Dichloro-2-butene
Concen: 18.45 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	67.8	101.8
89	44.9	36.0	54.0

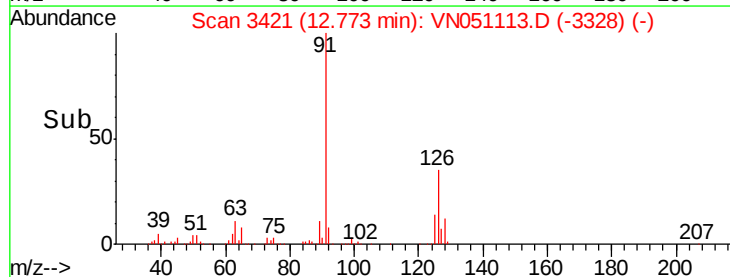
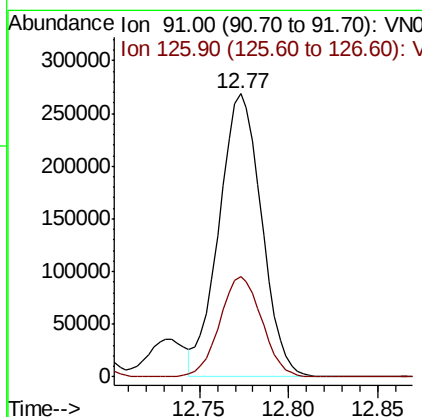
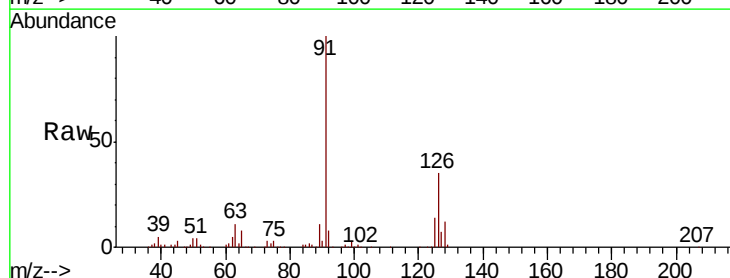
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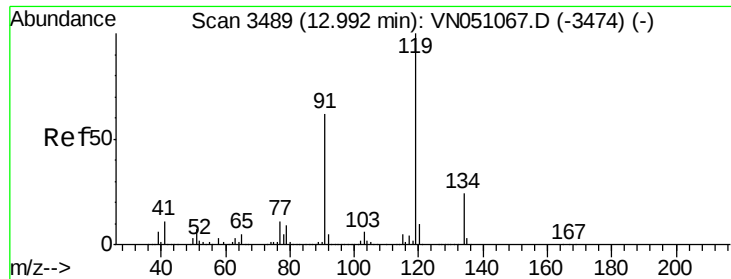
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#82
4-Chlorotoluene
Concen: 19.23 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





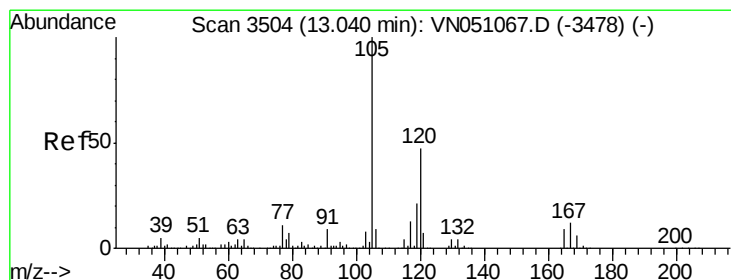
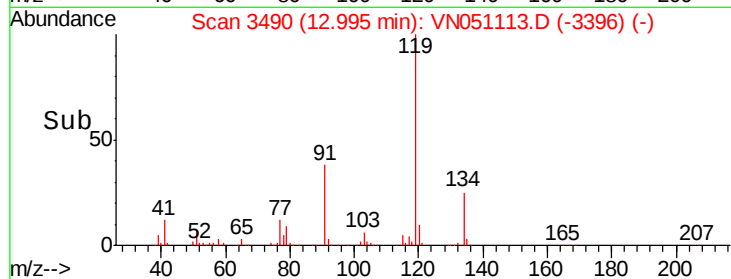
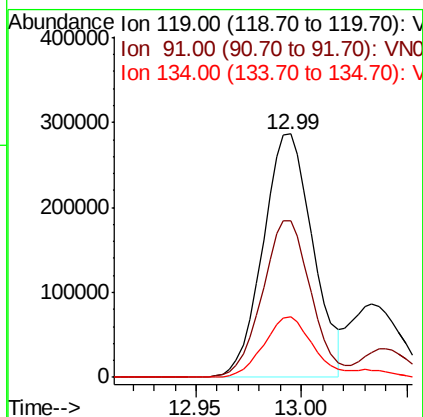
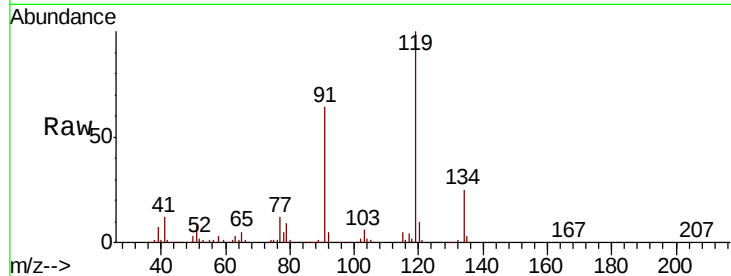
#83
tert-Butylbenzene
Concen: 19.45 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	470796		
91	62.7		30.8	92.3
134	24.8		13.2	39.6

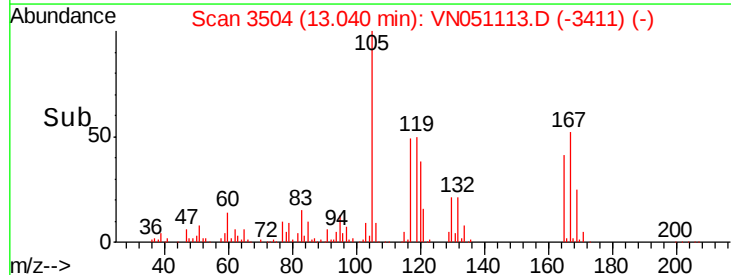
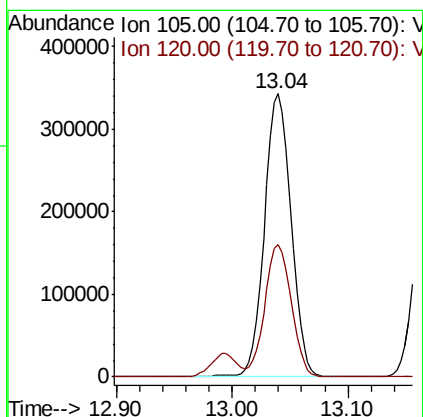
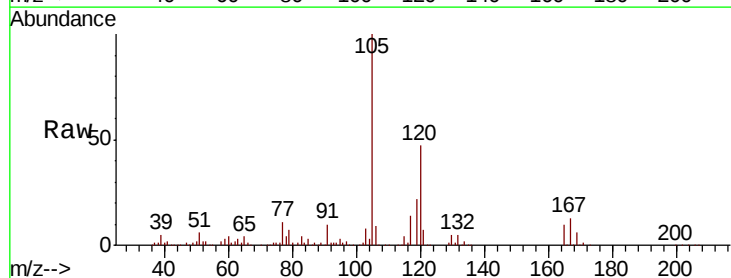
Manual Integrations
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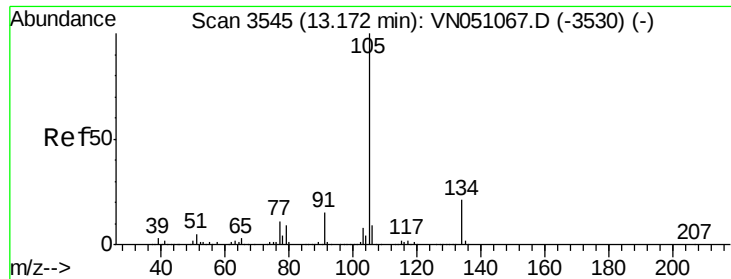
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.32 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	547712		
120	46.5		23.3	69.8





#85

sec-Butylbenzene

Concen: 19.95 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tot Ion:105 Resp: 619323

Ion Ratio Lower Upper

105 100

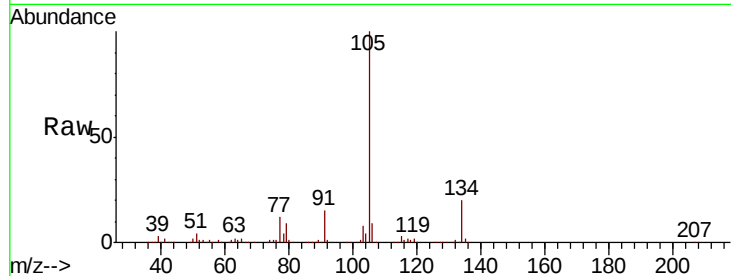
134 20.0 10.4 31.4

Manual Integrations

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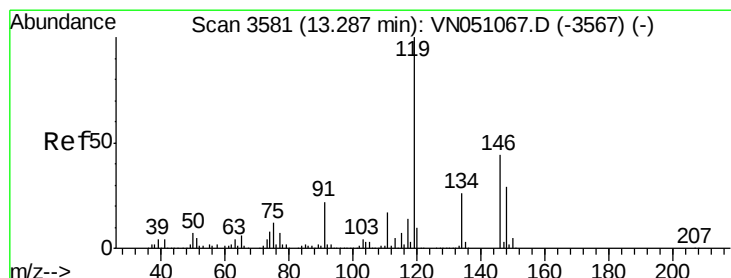
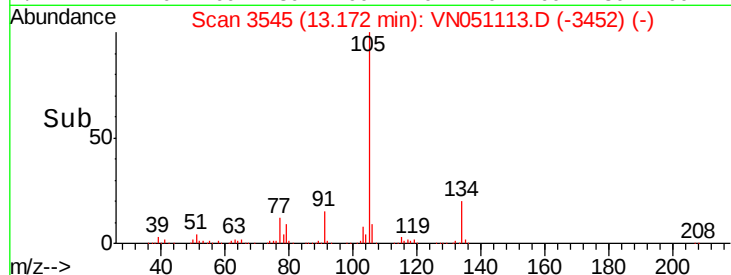
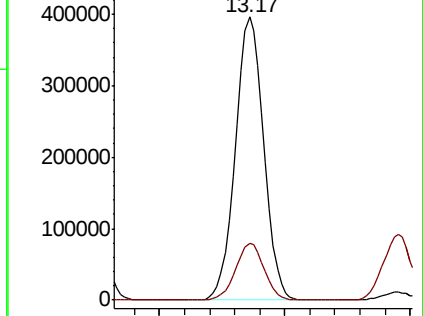
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

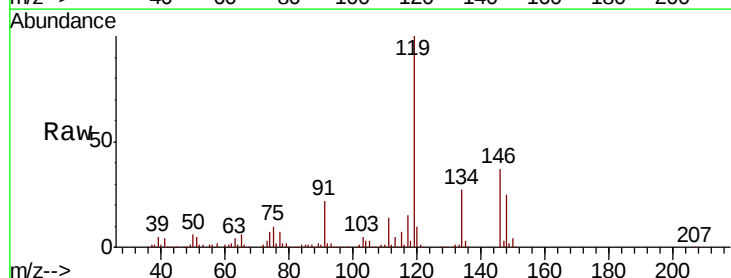
Tgt Ion:119 Resp: 530683

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

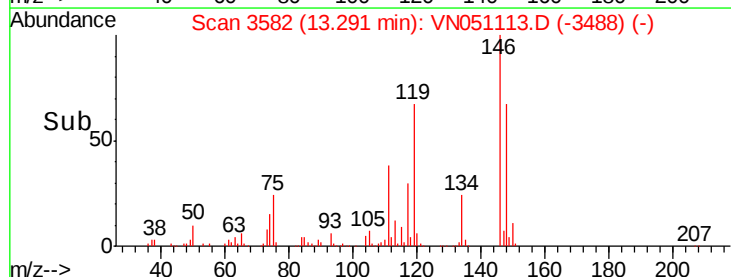
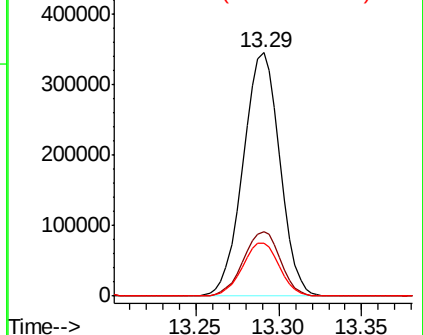
91 22.0 10.9 32.9

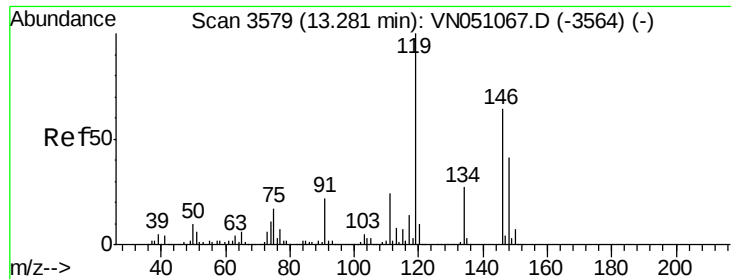


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.53 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Instrument :

MSVOA_N

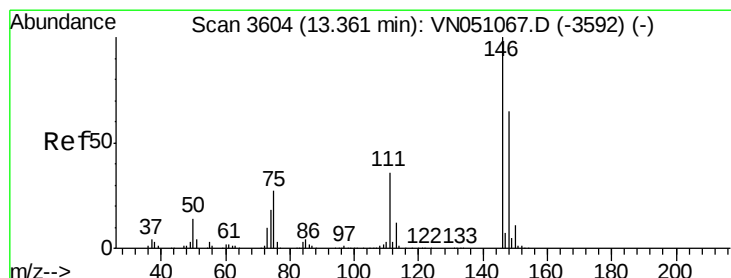
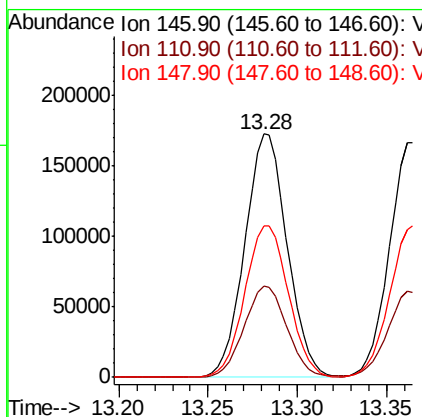
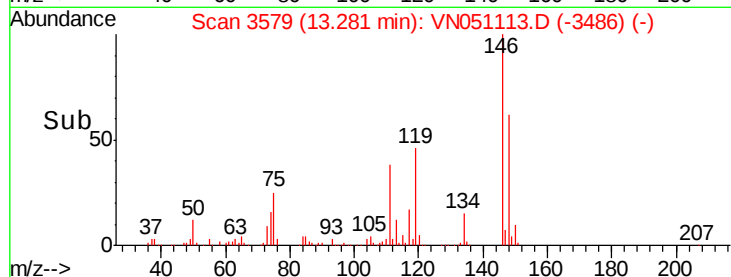
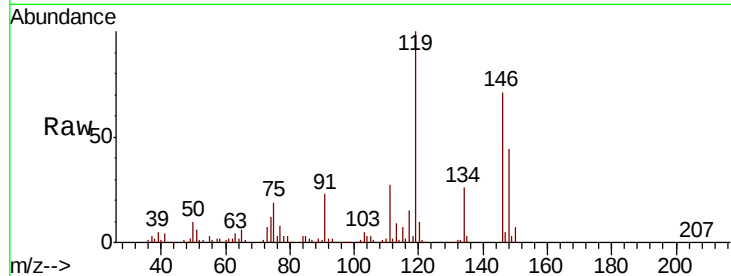
ClientSampleId :

VN0911WBS01

Tot Ion:	146	Resp:	286368
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	64.1	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.39 ug/l

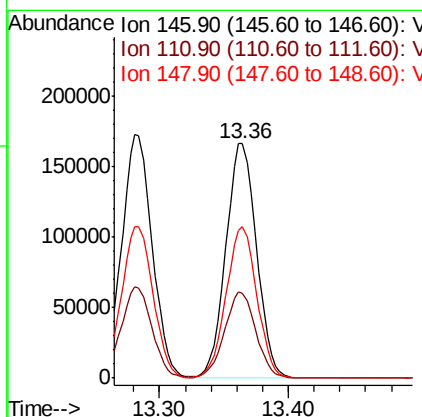
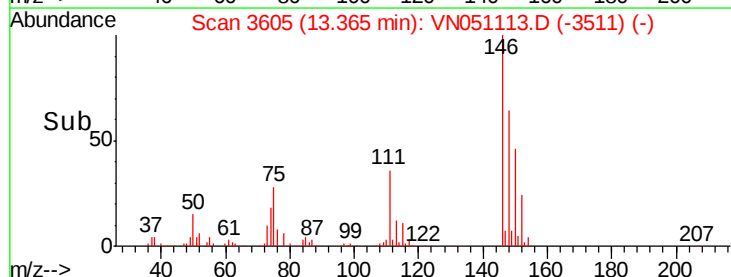
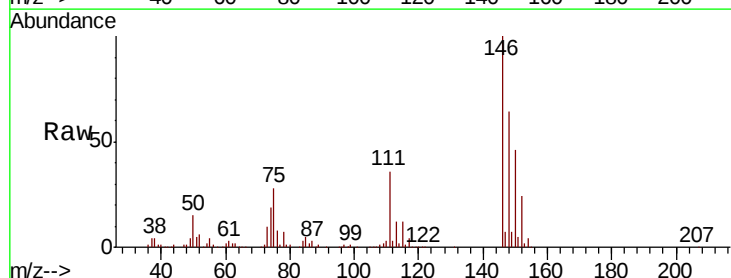
RT: 13.36 min Scan# 3605

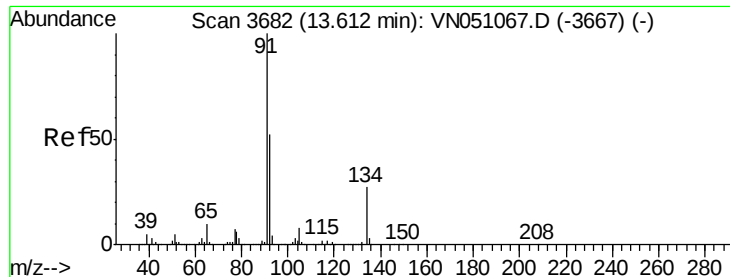
Delta R.T. 0.00 min

Lab File: VN051113.D

Acq: 11 Sep 2018 9:27

Tgt Ion:	146	Resp:	275031
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.4	55.0
148	64.5	32.2	96.6





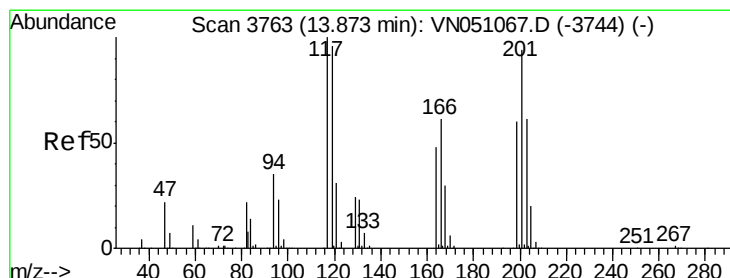
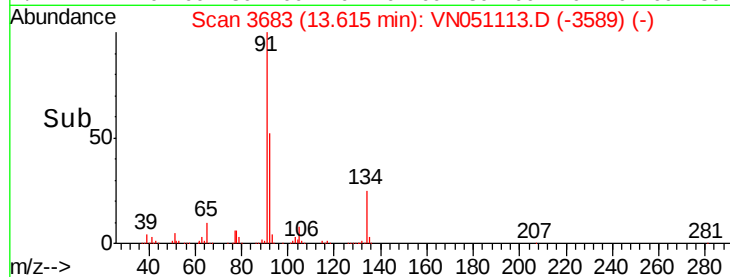
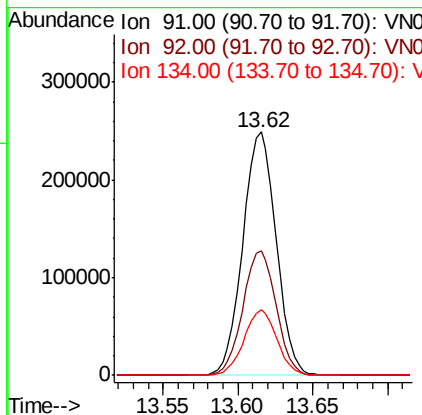
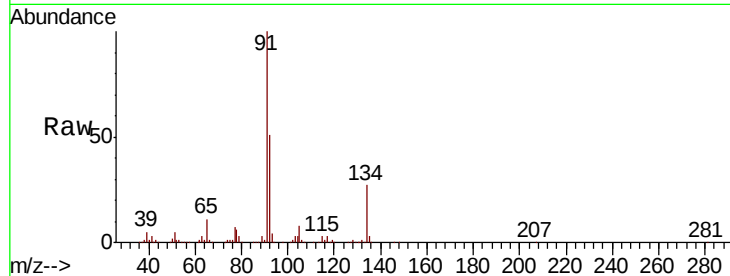
#89
n-Butylbenzene
Concen: 18.86 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.2	78.6
134	26.6	13.7	41.1

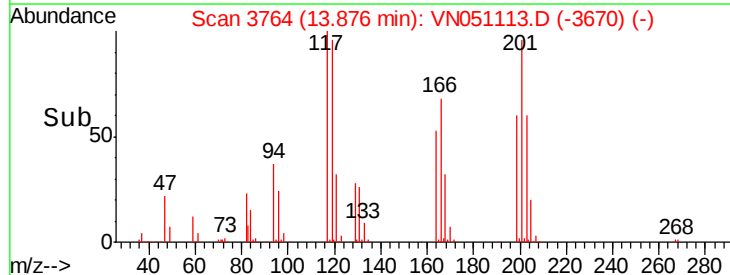
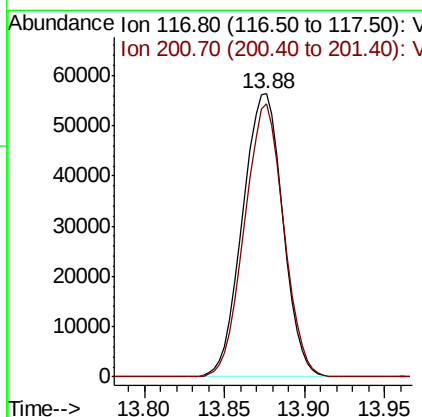
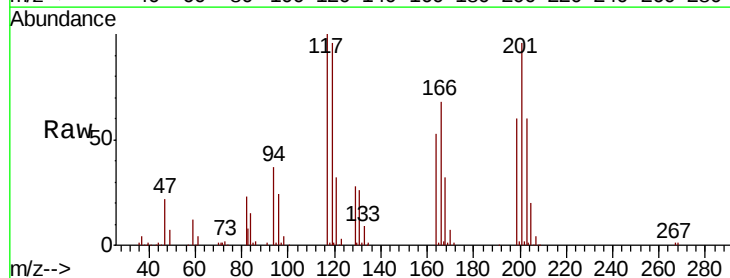
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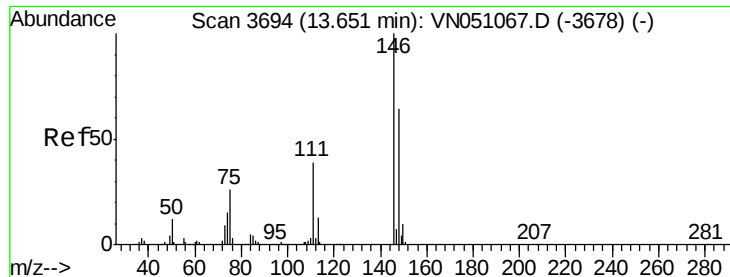
MMDadoda
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#90
Hexachloroethane
Concen: 19.89 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	47.3	142.0





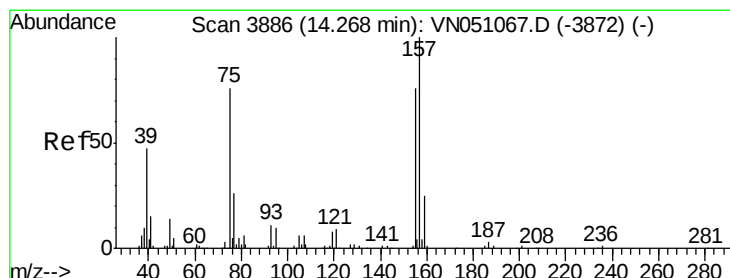
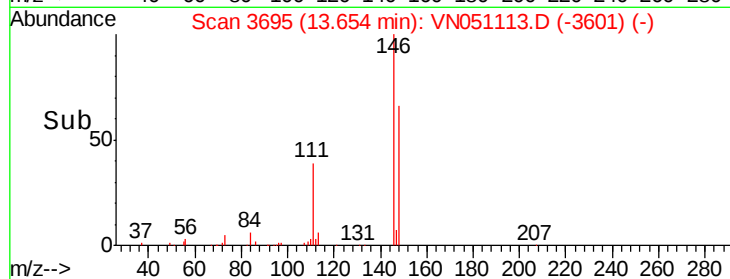
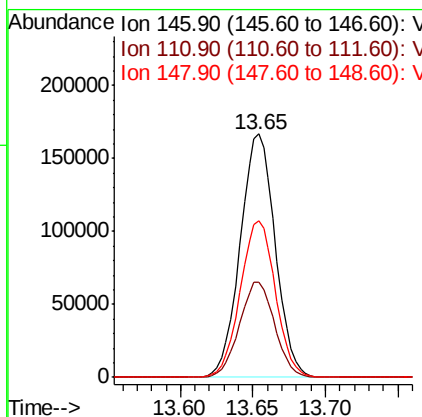
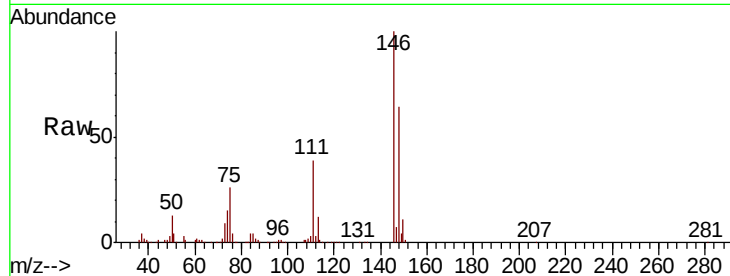
#91
 1,2-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.6	32.1	96.3

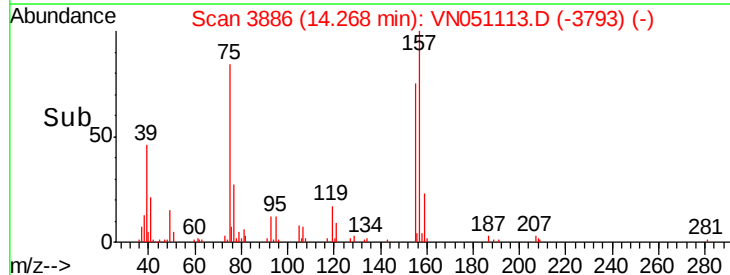
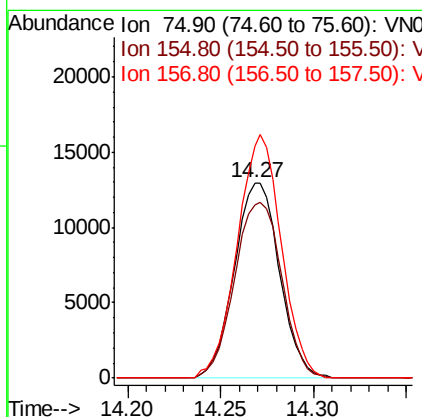
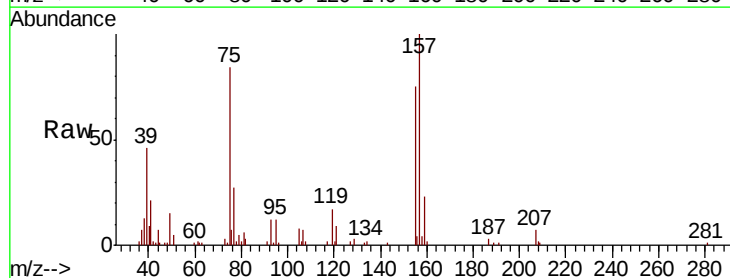
Manual Integrations
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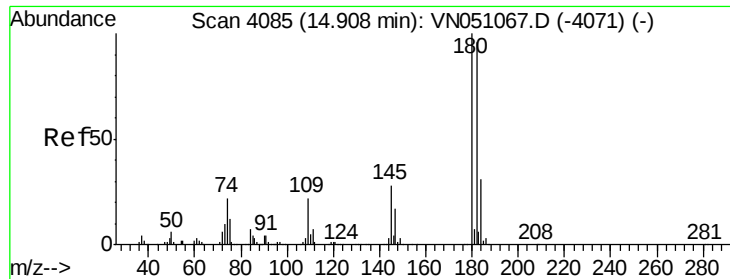
MMDadoda
 9/12/2018 10:06:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.43 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	48.7	146.1
157	121.2	63.6	190.9





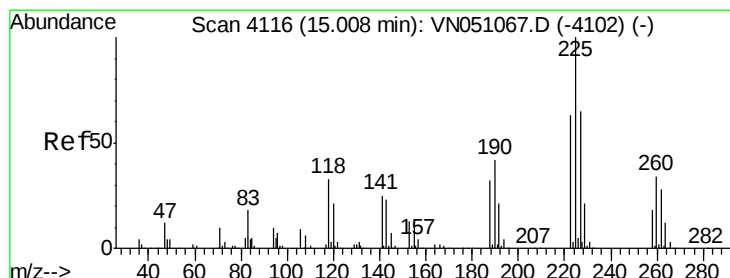
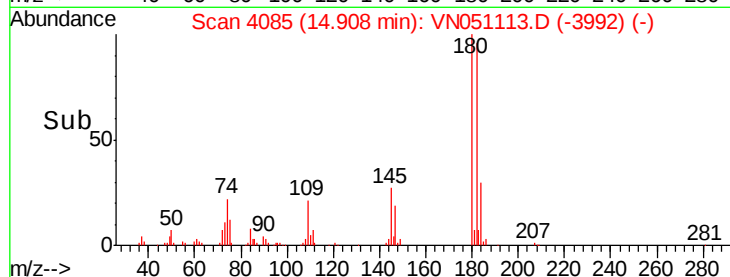
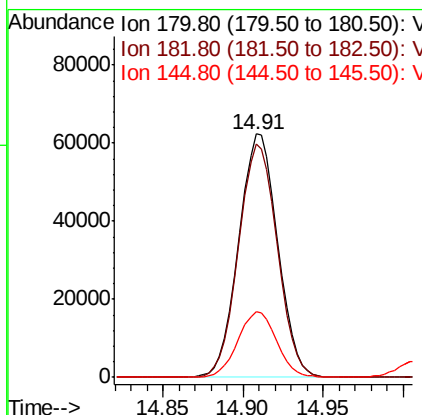
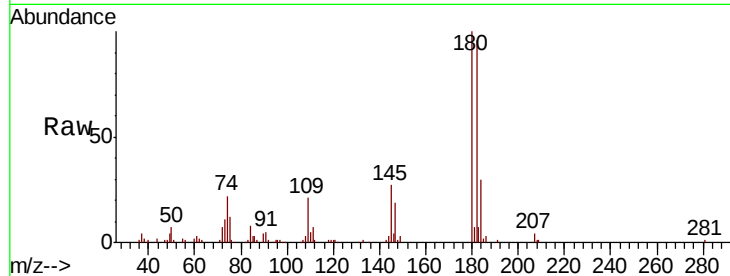
#93
 1,2,4-Trichlorobenzene
 Concen: 17.05 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.3	141.8	
145	26.8	14.2	42.6	

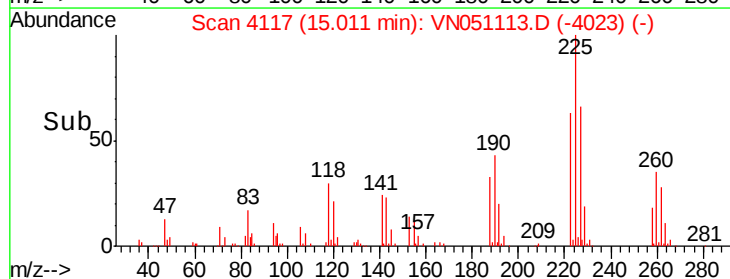
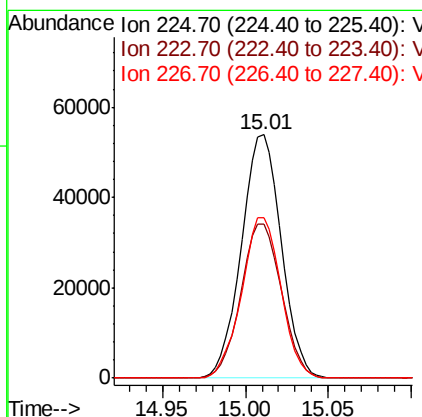
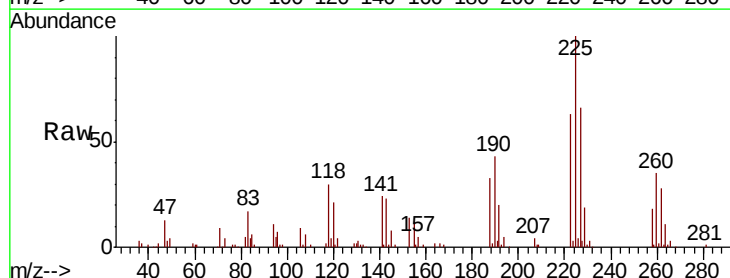
Manual Integrations
 APPROVED

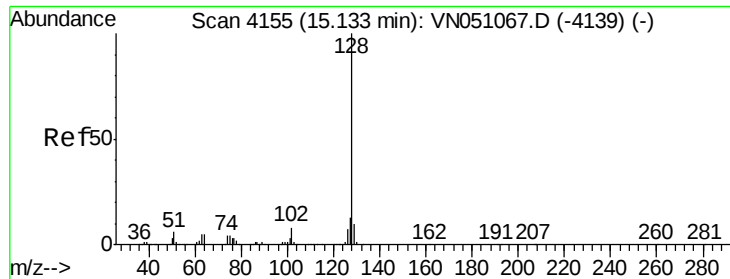
MMDadoda
 9/12/2018 10:06:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.56 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051113.D
 Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	31.4	94.0	
227	65.1	32.1	96.3	





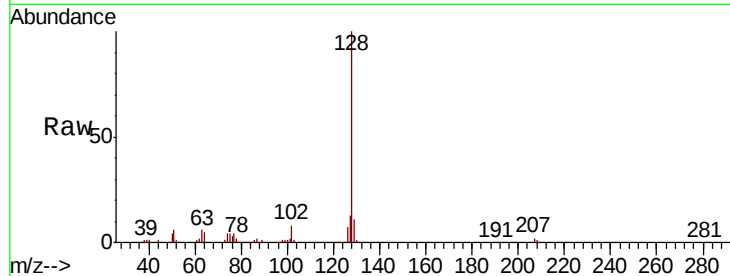
#95
Naphthalene
Concen: 16.68 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	193084		
127	13.0		10.6	15.8
129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:06:41 AM

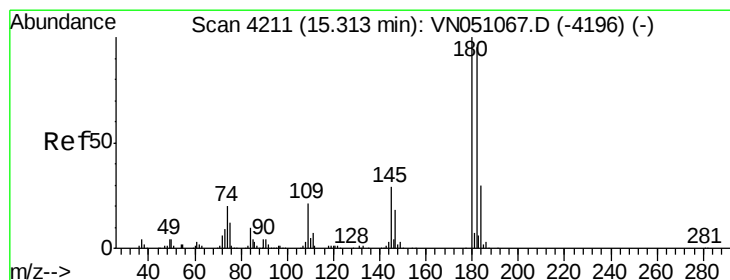
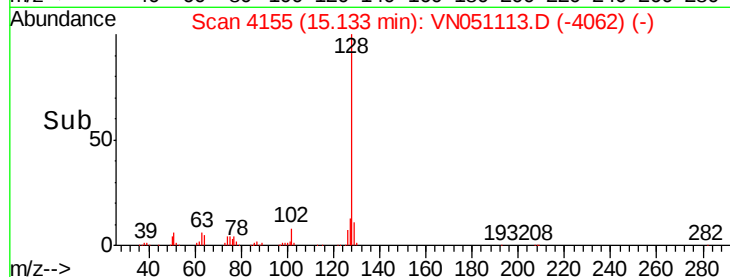
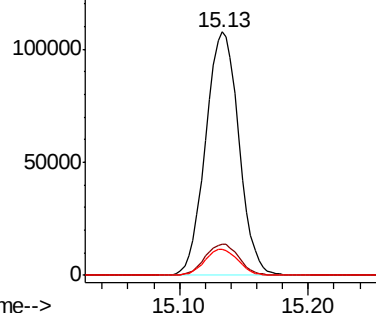


Abundance

Ion 128.00 (127.70 to 128.70): V

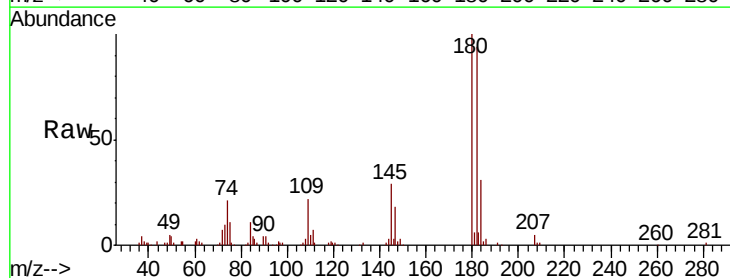
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.57 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051113.D
Acq: 11 Sep 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108016		
182	95.2		47.8	143.3
145	29.5		14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

